



County of Georgetown, South Carolina

129 Screven Street, Suite 239 · Georgetown, SC 29440-3641
Post Office Box 421270, Georgetown, SC 29442-4200
(843)545-3083 · Fax (843)545-3500 · purch@gtcounty.org

REQUEST FOR PROPOSALS

BID NUMBER: #19-028

ISSUE DATE: Friday, April 12, 2019

OPENING DATE: Wednesday, May 1, 2019 **OPENING TIME:** 3:00 PM (Eastern NIST)

Bid Opening Location: Georgetown County Courthouse, Suite #239, (Purchasing Conference Room)

Pre-Bid Conference/Site Inspection: MANDATORY, Monday, April 22, 2019 at 1:30PM located at 129 Airport Road, Georgetown, SC 29440

PROCUREMENT FOR: Exterior Painting of Georgetown County Airport Terminal

Commodity Code(s): 91054

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at the location and time stated herein and will be publicly opened and read.

MAILING ADDRESS:

County of Georgetown
Post Office Drawer 421270
Georgetown SC 29442-4200
Attn: Purchasing

STREET ADDRESS:

Georgetown County Courthouse
129 Screven Street, Suite 239
Georgetown SC 29440-3641
Attn: Purchasing

IMPORTANT OFFEROR NOTES:

- 1) Bid Number & Title must be shown on the **OUTSIDE** of the delivery package.
- 2) Federal Express does **not** guarantee delivery to Georgetown, SC before 4:30 PM Eastern Time on **Primary Overnight** Service.
- 3) **United Parcel Service (UPS)** **does** guarantee delivery to Georgetown, SC before 10:30 AM Eastern Time on Next Day "Early AM" Service.
- 4) You must register a contact name, company name, fax and/or e-mail with the Purchasing Office as below to ensure your name will be added to the contact list for future amendments and addenda.

Purchasing Contacts:

Pamela Bassetti
Phone (843)545-3082
Fax: (843)545-3500
E-mail: pbassetti@gtcounty.org

Nancy Silver
(843)545-3076
(843)545-3500
nsilver@gtcounty.org

This solicitation does not commit Georgetown County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services. It is the responsibility of each bidder to see that the Georgetown County Purchasing Office receives bids on, or before, the date and time specified for the bid opening. No bid will be accepted thereafter. The County assumes no responsibility for delivery of bids that are mailed. Georgetown County reserves the right to reject any or all bids and to waive any informalities and technicalities in the bid process.



Intent to Respond

REF: Bid #19-028, Exterior Painting of Georgetown County Airport Terminal

If your company intends to respond to this solicitation, please complete and promptly return this form to assure that you can be included on the mailing list to receive all addenda regarding this project.

It is not necessary to return any other portion of the bid documents if you are not bidding.

Failure to return the Intent to Respond shall not be sufficient cause to rule a submittal as non-responsive; nor does the return of the form obligate an interested party to submit a response. Georgetown County's efforts to directly provide interested parties with addenda or additional information are provided as a courtesy only, and do not alleviate the respondent from their obligation to verify they have received and considered all addenda. All addenda are published and available on the county website at www.georgetowncountysc.org select "purchasing" and "current bids".

Our firm **does** intend on responding to this solicitation.

Our firm **does not** intend on responding to this solicitation.

Company Name: _____

Address: _____

Contact Person: _____

Telephone: _____

FAX: _____

E-Mail: _____

Please return this completed form to Pamela Bassetti, Senior Buyer

- by e-mail to purch@gtcounty.org
- Or by FAX to (843)545-3500.

[End of Intent to Respond]

Time Line: Request for Proposal #19-028

Item	Date	Time	Location*
Advertised Date of Issue:	Friday, April 12, 2019	n/a	n/a
Pre-Bid Conference/Site Inspection:	Monday, April 22, 2019	1:30pm	On Site†
Deadline for Questions:	Wednesday, April 24, 2019	3:00PM ET	Suite 239
Bids Must be Received on/or Before:	Wednesday, May 1, 2019	3:00PM ET	Suite 239
Public Bid Opening & Tabulation:	Wednesday, May 1, 2019	3:00PM ET	Suite 239

*All locations in the Old County Courthouse, 129 Screven Street, Georgetown, SC unless otherwise stated.

†Georgetown County Airport 129 Airport Road, Georgetown, SC 29440

Bid #19-028

Exterior Painting of Georgetown County Airport Terminal

Georgetown County, South Carolina is soliciting bids for the Exterior Painting of Georgetown County Airport Terminal located at 126 Airport Road, Georgetown, SC 29440. The Contractor shall furnish all labor, supervision, equipment, scaffolding, materials, tools, supplies, and transportation necessary for the proper execution and completion of exterior painting services as specified below. Materials and services provided by the Contractor must comply with all current Federal, State, local and municipal laws, ordinances and rules and regulations. Georgetown County would also like to consider an **Additional/Alternate Bid Item # 1** for the complete exterior painting of the Maintenance hangar including windows, doors and frames. An **Additional/Alternate Bid Item # 2** will be for windows, doors and trim on the Terminal building. .

Specifications:

All painting services must meet these specifications.

Multiple Sherwin Williams™ paints and primers were selected, “Brand Name Or Equal” must be used: Color must match existing paint color. (See Exhibit A)

1. Terminal Building:

- a) Exterior Insulation and Finish Systems (**EFIS**): **2 Coats:** A82W00151 - A-100® Exterior Latex Satin Extra White
- b) **Exterior trim-soffit:** 2 Coats: B66W01551 – Pro Industrial (PI) MULTI-SURFACE Acrylic (ACR) Semi-Gloss Extended Ware (SG EW). Color must match existing paint color.
- c) **Exterior Trim-wood:** Primer: Y24W08020 - Exterior Oil-Based Wood Primer White, **then 2 Coats:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White. Color to match existing paint color.

2. Maintenance Hangar Additional/Alternate Bid Item # 1:

- a) **Metal - Pre-Finished Siding:** Hangar ends and doors. Primer: B66A00050 Bonding Primer (DTM) Off White then **2 Coats:** B66W00351 - Sher-Cryl High Performance Acrylic (HPA) High Performance Acrylic Semi-Gloss Coating Extra White. Color must match existing paint color.
- b) **Metal - Previously Painted:** Hangar sides (long walls). Prime/Spot Prime: B66W01310 – Pro Industrial (PI) PROCRYL (trade mark brand) PRIMER OFF WHITE. Color must match existing paint color. *Notes: ** Cleaning with TSP or equivalent prior to application is recommended for best performance ***

c) **Steel/Ferrous Metal:** Overhead Door Frames/Beams. Primer: B50WZ0001 Kem Kromik® Universal Metal Primer Off White then **2 Coats:** B54W00151 - Pro Industrial Urethane Alkyd Enamel Extra White. Color to match existing paint color. *Notes: ** Prime immediately after rust/scale is removed*

d) **Wood - Unfinished & Previously Painted:** Doors, trim, fascia. Primer: Y24W08020 - Exterior Oil-Based Wood Primer White then **2 Coats:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White. Color Must match existing paint color.

3. Metal Doors and window trim for the Terminal Building Additional/Alternate Bid Item # 2:

a) PRIMER: B66W01310 –Pro Industrial (PI) PROCRYL

b) PRIMER OFF WHITE, **then 2 Coats:** K38W00751 – EMERALD URETHANE ENAMEL SEMI GLOSS EXTRA WHITE (SG EW). Color must match existing paint color.

4. Brand Name or Equal:

a) The use of a “**brand name or equal**” specification is for the purpose of describing the standard of quality, performance and characteristics desired and is not intended to limit or restrict competition. An item shall be considered to be substantially equivalent, or “equal” to the specified brand in the opinion of Facilities Service Director, the County can reasonably anticipate sufficiently similar quality, capacity, durability, performance, utility and productivity as provided by the specified brand.

5. Colors: All colors will need to be scanned for an exact match.

6. Cracks and defects in walls, including holes in the block, must be patched before painting. All cracks in the exterior wall are to be sealed with proper sealant that will expand and contract with temperature changes.

7. Any rough or peeling surfaces anywhere on the exterior must be thoroughly scraped with either scrapers or wire brushes and must be feather edged with sandpaper before being primed with the appropriate primer.

8. The doors, frames, and trim are to be properly prepped prior to the application of any paint.

9. The painting contractor will be expected to issue a one (1) year warranty starting upon completion of work. Warranty will be stated on contractor’s invoice.

10. **MANDATORY SITE INSPECTION:** A mandatory Pre Bid Conference will be held Monday, April 22, 2019 @ 1:30 pm at Georgetown County Airport 129 Airport Road, Georgetown, SC 29440. All Contractors who will be placing a sealed bid must attend the Pre Bid Conference and sign in. No bids will be accepted if the Contractor did NOT attend or sign in at the Mandatory Pre-Bid Conference. It will be the full responsibility of the Contractor to inspect the location to familiarized himself with the nature and extent of the work and any local conditions that may, in any manner, affect the scope of the work to be done, and the equipment, materials and labor required.

11. Contractor is responsible to coordinate a schedule with Airport Manager. All work must be performed during regular business hours (Monday through Friday 8:00am-5:00pm).
12. Contractor must post proper warning signs and/or barriers where necessary including "Wet Paint" signs to protect newly painted surfaces.
13. All surfaces, floors, and County property not to be painted must be completely protected at all times. Surfaces and other County property must be protected by covering with drop cloths or other type of covering, moving, masking, or employing detailed application methods. All scraped paint removed during paint preparation and/or any spills must be removed immediately by the contractor.
14. The Contractor will be responsible and use utmost care for the protection of County property and adjacent properties, buildings, etc.; including all screens, windows, walkways, shrubbery, parked vehicles, aircraft and any other property in the area, from paint and/or other damage. Any damage, including damage to finished surfaces, resulting from the performance of this contract must be repaired to the County's satisfaction at the Contractor's expense.
15. It will be the responsibility of the Contractor to report to the Georgetown County Airport Manager, or his appointed designee, any damage found prior to any work at job site.
16. The Contractor will be entirely responsible for any loss or damage to its own materials, supplies and equipment, and to the personal property of its employees while they are maintained on the work site.
17. The work site may be occupied during the times work is performed. Contractor and Contractor's personnel must exercise a particularly high level of discipline, safety and cooperation at all times while on the job site. The Contractor will be responsible for controlling employee conduct, for assuring that its employees are not boisterous or rude, and assuring that they are not engaging in any destruction or criminal activity. Possession and consumption of drugs or alcoholic beverages is strictly prohibited at all times at the job site and on or around the County's property. Smoking is permitted in designated areas only. There will be no open flames in any area.
18. The Contractor is also responsible for ensuring that its employees do not disturb papers, desks, cabinets, or use County phones, equipment, facilities and the like, except as authorized. Public restrooms are available.
19. All County and local codes, rules and regulations concerning safety will be adhered to by the Contractor.
20. Contractor will be responsible for assuring the safety of his employees, County employees and the general public during performance of all services under this contract.
21. Contractor must assure that all crews are fully and properly equipped to perform services promptly and safely without delay.
22. Work may be temporarily stopped by the Airport Manager or his designated representative due to severe weather, lack of material, safety violations, or other unforeseen circumstances. Contractor must comply with the manufactures recommendations as to environmental conditions under which coatings can be applied. Do not apply paint in snow, rain, fog, or mist; or when relative humidity exceeds paint manufacturers recommended limits. Do not apply coatings in areas where dust is being generated. Contractor must be aware of prevailing wind conditions at all times.

23. Contractor must store, handle, and apply all materials according to Manufacturer's specifications.
24. All coating applications or mixing, thinning of material must be performed in accordance with the manufacturer specifications. All paints must be thoroughly stirred before removal from the containers and must be kept stirred while used.
25. All paint in any one-paint coat must be hard and dry through the entire paint film before the next coat is applied. In no case will the elapsed time between the applications of the successive coats of paint to any surface be less than that recommended by the paint manufacturer. All coated surfaces must be free of all dust, dirt, and contamination before succeeding coats are applied as per manufacturer's specifications.
26. All coats must have uniform thickness and be free of runs, drips, sags, bubbles, pinholes, ridges, laps, and variations in color or texture.
27. All rubbish accumulated from a job must be removed from the County's premises by the Contractor, at the Contractor's expense. No trash, paint buckets or other debris is to be placed in County dumpsters or other trash facilities belonging to County, unless prior arrangements are made.
30. Project will be supervised on a daily basis by the Airport Manager or his designee. Upon completion of a project, work performed by the Contractor is subject to the inspection and approved by the Public Services Director. Payment will not be made for any service until all requirements and acceptance of service as to contract compliance has been approved by the Public Services Director.

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Instructions for Providers
Bid #19-028
Exterior Painting of Georgetown County Airport Terminal

1. **Submission of Questions**

Questions must be submitted in writing via electronic mail, facsimile or postal mail to the Issuing Officer no later than the “Deadline for Questions” cutoff identified in the Bid Timeline on page three (3) in order to generate an official answer. All written questions will receive an official written response from the Georgetown County Purchasing Office (GCPO) and will become addenda to the solicitation.

GCPO reserves the right to reject or deny any requests made by the provider.

Impromptu, unwritten questions are permitted and verbal answers may be provided, but are only intended as general direction and will not represent the official GCPO position. The only official position of GCPO is that which is stated in writing and issued in the solicitation as addenda thereto.

No other means of communication, whether oral or written, shall be construed as a formal or official response/statement and may not be relied upon. SEND QUESTIONS TO:

Pamela Bassetti, Senior Buyer
Post Office Box 421270, Georgetown, SC 29442-4200
Fax: (843) 545-3500
Email: pbassetti@gtcounty.org

2. Written sealed public bids to provide **Exterior Painting** shall be received in the Purchasing Office, Second Floor, Suite 239, 129 Screven Street, Georgetown, SC until the cut-off time shown in the bid timeline on page three (3) of this document. Bids will then be publicly and promptly opened at the designated time by the Purchasing Officer. Bids that are not in the Purchasing Officer’s possession prior to the stated opening date and time will be considered **NON RESPONSIVE** and returned unopened. An official authorized to bind the offer must sign all proposals submitted.

3. **IMPORTANT OFFEROR NOTES:**

- a) Bid Number & Title must be shown on the OUTSIDE of the delivery package.
- b) Federal Express does NOT guarantee delivery to Georgetown, SC before 4:30 PM Eastern Time on Next Day Service.
- c) UPS WILL guarantee delivery to Georgetown, SC before 10:30 AM Eastern Time on Next Day “Early AM” Service.

4. **Inclement Weather/Closure of County Courthouse**

If the County Courthouse is closed for business at the time scheduled for bid opening, for whatever reason, sealed bids will be accepted and opened on the next scheduled business day, at the originally scheduled time.

5. This solicitation does not commit Georgetown County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services. It is the responsibility of each bidder to see that the Georgetown County Purchasing Office receives bids on, or before, the date and time specified for the bid opening. No bid will be accepted thereafter. The County assumes no responsibility for delivery of bids that are mailed. Georgetown County reserves the right to reject any or all bids and to waive any informalities and technicalities in the bid process.

6. NON EXCLUSIVITY

Nothing herein is intended nor shall be construed as creating any exclusive arrangement with Contractor. Any resulting contract shall not restrict the County from acquiring similar, equal or like goods and/or services from other entities or sources, when Staff determines internally that this resulting action is in the best interest of Georgetown County.

7. One (1) unbound, reproducible ORIGINAL of your proposal must be submitted in a sealed envelope and clearly marked on the outermost container as follows:

OFFEROR'S NAME
BID ITEM NAME
BID NUMBER

8. No Bidder may submit more than one bid. Multiple bids for different manufacturers but represented by the same firm will not be accepted. Bids offered directly from manufacturers shall indicate if a local dealer/representative will be involved.

9. Definitions:

- a) The terms "Proposer", "Offeror", "Vendor" or "Bidder" refer to those parties who are submitting sealed responses for the work set forth in this document to the OWNER, as distinct from a sub-bidder who provides a bid to the Bidder. The term "Contractor" refers to the successful Bidder.
- b) The term "**Exterior Painting**" or "Service" refers to the **complete set of services** as specified in this document, in every aspect.
- c) The terms "Owner" and "County" refer to the County of Georgetown, South Carolina.
- d) Where the words "shall" or "must" are used, it signifies an absolute minimum function or capacity that, if not satisfied, may result in disqualification.
- e) Where the words "should", "may", or "is desirable" are used, it signifies desirable, but not mandatory functions or capacities. Bidders who are able to provide these functions or capacities may be evaluated more favorably than those who cannot.

10. Correction or Withdrawal of Bids; Cancellation of Awards

An offeror must submit in writing a request to either correct or withdraw a bid to the Procurement Officer. Each written request must document the fact that the offeror's mistake is clearly an error that will cause him substantial loss.

- a) Correction of awards : An offeror shall not be permitted to correct a bid mistake after bid opening that would cause such offeror to have the low bid unless the mistake in the judgment of the Procurement Officer is clearly evident from examining the bid document; for example, extension of unit prices or errors in addition.
- b) Cancellation of awards prior to performance: When it is determined after an award has been issued but before performance has begun that Georgetown County's requirements for the goods or services have changed or have not been met, the award or contract may be canceled and either reawarded or a new solicitation issued.

11. Faxed or E-mailed bids will not be accepted by Georgetown County.

12. If you need any reasonable accommodation for any type of disability in order to participate in this procurement, please contact the purchasing office as soon as possible.
13. Title VI of the Civil Rights Act of 1964: Georgetown County hereby gives public notice that it is the policy of the agency to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires that no person in the United States of America shall, on the grounds of race, color, or national origin, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which Georgetown County receives federal financial assistance. Any person who believes they have been aggrieved by an unlawful discriminatory practice under Title VI has a right to file a formal complaint with Georgetown County. Any such complaint must be in writing and filed with Georgetown County's Title VI Coordinator within one hundred and eighty (180) days following the date of the alleged discriminatory occurrence. For more information, or to obtain a Title VI Discriminatory Complaint Form, please see our website at <http://www.gtcountry.org/about/faqs.html>.
14. Any deviations from the specifications or modification of this bid and any extra or incidental work or reductions in work shall be set forth in writing and signed by both parties prior to making such change. Any increase or decrease in the bid price resulting from such change shall be included in writing.
15. Exceptions: The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid. When Proposers find instances where they must take exception with certain requirements or specifications of the bid, all exceptions shall be clearly identified. Written explanations shall include the scope of the exceptions, the ramifications of the exceptions for the County of Georgetown, and a description of the advantage to be gained or disadvantages to be incurred by the County as a result of these exceptions. If none, write "NONE".
16. Georgetown County reserves the right to reject any or all bids, and to waive as an informality any irregularities contained in any bid as may be deemed in the best interest of the County. Georgetown County further reserves the right to reject any bid submitted, at its sole option, that the vendor may not be able to meet the service requirements of the bid.
17. Publicity releases: contractor agrees not to refer to award of any resulting contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the user.
18. Material Safety Data Sheets: The County of Georgetown will not receive any materials, products, or chemicals which may be hazardous to an employee's health unless accompanied by a Material Data Sheet When received.
19. Ownership of Copyright: All right, title and interest in all copyrightable materials which vendor shall create in the performance of its obligations hereunder shall be the property of the procurer. Vendor agrees to assign and hereby does assign any and all interest it has in and to such material to procurer. Vendor agrees, upon the request of procurer to execute all papers and perform all other such acts necessary to assist procurer to obtain and register copyrights on such materials. Where applicable, works of authorship created by the vendor in the performance of its obligations hereunder shall be considered "works for hire" as defined in the U.S. Copyright Act.

20. Ownership of Documents: Any reports, studies, photographs, negatives or other documents prepared by vendor in the performance of its obligations shall be the exclusive property of the procurer and all such material shall be remitted to the procurer by the vendor upon completion, termination or cancellation of this order. Vendor shall not use, willingly allow or cause to have such material used for any purpose other than performance of its obligations under this order without the prior written consent of the procurer.
21. Affirmative Action: The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of age, race, color, religion, sex, national origin or physical handicap. The following are incorporated herein by reference: 41 C.F.R. 60-1.4, 60-250.4 and 60-741.4.
22. Inclusion and participation of disadvantaged, small, and local business entities is strongly encouraged, but minimum participation standards are not in effect for this project.
23. All Construction Contracts Over \$2,000:
- a) Davis-Bacon Requirements. These contracts need to include a provision for compliance with the Davis-Bacon Act (40 USC 276a to a—7) and the Department of Labor implementing regulations (29 CFR Part 5). Under this Act, Contractors are required to include the contract provisions in Section 5.5 (a) of 29 CFR Part 5, and to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in the wage determination made by the Secretary of Labor. In addition, Contractors shall be required to pay wages not less than the minimum wages specified in the wage determination made by the Secretary of Labor. In addition, Contractors shall be required to pay wages not less often than once a week. Current Wage Determination for Georgetown County in South Carolina is available on-line at: <http://www.wdol.gov/dba.aspx#14>
 - b) Contract Work Hours and Safety Standard Act Requirements. The contracts must include a provision for compliance with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 USC 327-330) as supplemented by the Department of Labor regulations (29 CFR Part 5). Under Section 103 of the Act, each Contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard workweek of 40 hours. Work in excess of the standard workweek is permissible provided that the worker is compensated at a rate not less than one times the basic rate of pay for all hours worked in excess of 40 hours in the workweek. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to health and safety as determined under construction, safety and health standards promulgated by the Secretary of Labor. These requirements do not apply to the purchases of supplies, materials, or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
 - c) Copeland “Anti-Kickback” Act Requirements. All construction contracts over \$2,000.00 must include a provision for compliance with the Copeland “Anti-Kickback” Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3). This act provides that each Contractor shall be prohibited from inducing, by any means, persons employed in the construction, completion, or repaid of public work to give up any part of their compensation.
24. Bidders must clearly mark as "confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under section 30-4-40, Code of Laws of South Carolina 1976, as amended (Freedom of Information Act). If any part is designated as confidential, there must be attached to that part an explanation of how this information fits within one or more categories listed in section 30-4-40. The County reserves the right to determine whether this information should be exempt

from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.

25. CERTIFICATION REGARDING DRUG-FREE WORKPLACE:

The contractor certifies that the vendor(s) will provide a “drug-free workplace” as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by the complying with the requirements set forth in title 44, Chapter 107.

26. Certification of Non-Segregated Facilities

The federally-assisted construction contractor certifies that he does not maintain or provide, for his employees, any segregated facilities at any of his establishments and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally-assisted construction contractor certifies that he will not maintain or provide, for his employees, segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The federally-assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this Contract.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms, and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated on the basis of race, color, religion, or national origin because of habit, local custom, or any other reason. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause and that he will retain such certifications in his files.

27. Nothing herein is intended to exclude any responsible vendor, his product or service or in any way restrain or restrict competition. On the contrary, all responsible vendors are encouraged to bid and their bids are solicited.

28. Acknowledgement of Addenda

Each contractor is responsible to verify the number of total addenda issued prior to bid. **Failure to acknowledge all addenda may disqualify the bidder.** All addenda are posted by the County at the website located at www.georgetowncountysc.org, select “Purchasing” and “Current Bids”. It is each proposer’s responsibility to verify that all addenda have been received and acknowledged.

29. This Invitation for Bid covers the estimated requirements to provide Professional Exterminating and Pest Control Services for the Georgetown County Sheriff’s Office, Detention Center. The purpose is to establish a Term Contract with firm pricing and delivery under which the department may place orders as needed. The right is reserved to extend the use of this contract to any County Department.

30. TERMS OF AGREEMENT / RENEWAL

The initial term of any resulting contract shall be for a period of one (1) calendar year, effective from date of contract award. The County reserves the right to negotiate with the successful bidder, after contract award, for an additional discount should available funds permit the purchase of additional units within the fiscal year. The County reserves the right, at its sole option, to renew the contract for four (4) additional

consecutive terms, contingent upon satisfactory performance in the prior period, not to exceed a maximum term of five (5) years total.

31. **PRICE ESCALATION/DE-ESCALATION:**

Prices are to remain firm for the first contract period. In subsequent terms, the contractor may request, in writing at least sixty (60) days in advance of the contract ending date, an increase/decrease. Should the County elect to exercise the option to renew the contract for additional year(s), the contract prices for the additional years shall not exceed the percentage increase/decrease of the "Services" category of the CPI-W SECTION OF THE COMSUMER PRICE INDEX of the United States Bureau of Labor Statistics for the latest twelve month for which statistics are available. Should the price change be granted and the County elects to renew the contract, the purchase order will reflect the changes.

32. Bids must be made on Proposal or Bid Form furnished or will be rejected. Proposals shall be typewritten or written in ink on the form prepared by the County. The person signing the bid shall initial all corrections or erasures.

33. Insurance

The successful bidder shall procure, maintain, and provide proof of, insurance coverage for injuries to persons and/or property damage as may arise from or in conjunction with, the work performed on behalf of the County by the bidder, his agents, representatives, employees or subcontractors. Proof of coverage as contained herein shall be submitted fifteen (15) days prior to the commencement of work and such coverage shall be maintained by the bidder for the duration of the contract period; for occurrence policies.

a. General Liability

Coverage shall be as broad as: Comprehensive General Liability endorsed to include Broad Form, Commercial General Liability form including Products/Completed Operations.

1. Minimum Limits

General Liability:

- \$1,000,000 General Aggregate Limit
- \$1,000,000 Products & Completed Operations
- \$1,000,000 Personal and Advertising Injury
- \$1,000,000 Each Occurrence Limit
- \$50,000 Fire Damage Limit
- \$5,000 Medical Expense Limit

b. Automobile Liability

Coverage sufficient to cover all vehicles owned, used, or hired by the bidder, his agents, representatives, employees or subcontractors.

1. Minimum Limits

Automobile Liability:

- \$1,000,000 Combined Single Limit
- \$1,000,000 Each Occurrence Limit
- \$5,000 Medical Expense Limit

c. Workers' Compensation

Limits as required by the Workers' Compensation Act of SC. Employers Liability, \$1,000,000.

d. Owners' & Contractors' Protective Liability

Policy will be in name of County. Minimum limits required are \$1,000,000.

e. Professional Liability (a/k/a Errors and Omissions)

Minimum limits are \$1,000,000 per occurrence.

f. Coverage Provisions

1. All deductibles or self-insured retention shall appear on the certificate(s).
2. The County of Georgetown, its officers/ officials, employees, agents and volunteers shall be added as "additional insured" as their interests may appear. This provision does not apply to Professional Liability or Workers' Compensation/Employers' Liability.
3. The offeror's insurance shall be primary over any applicable insurance or self-insurance maintained by the County.
4. Shall provide 30 days written notice to the County before any cancellation, suspension, or void of coverage in whole or part, where such provision is reasonable.
5. All coverage for subcontractors of the bidder shall be subject to all of the requirements stated herein.
6. All deductibles or self-insured retention shall appear on the certificate(s) and shall be subject to approval by the County. At the option of the County, either; the insurer shall reduce or eliminate such deductible or self-insured retention; or the bidder shall be required to procure a bond guaranteeing payment of losses and related claims expenses.
7. Failure to comply with any reporting provisions of the policy(s) shall not affect coverage provided the County, its officers/officials, agents, employees and volunteers.
8. The insurer shall agree to waive all rights of subrogation against the County, its' officers/officials, agents, employees or volunteers for any act, omission or condition of premises which the parties may be held liable by reason of negligence.
9. The bidder shall furnish the County certificates of insurance including endorsements affecting coverage. The certificates are to be signed by a person authorized by the insurance company(s) to bind coverage on its' behalf, if executed by a broker, notarized copy of authorization to bind, or certify coverage must be attached.
10. All insurance shall be placed with insurers maintaining an A.M. Best rating of no less than an A:VII. If A.M. Best rating is less than A:VII, approval must be received from County's Risk Officer.

34. Workman's Compensation Coverage

Georgetown County, SC will require each contractor and service provider to maintain on file with the purchasing officer, a current Certificate of Insurance showing limits as required by the Workers' Compensation Act of SC: Employers Liability, \$1,000,000.

The law also recognizes "statutory employees." These are employees who work for a subcontractor who may be working for a business or another contractor. Employers should inquire whether or not a subcontractor working for them has workers' compensation insurance, regardless of the number of employees employed by the subcontractor. If the subcontractor does not, the subcontractor's injured employees would be covered under the employer's workers' compensation insurance. If the subcontractor does not carry workers' compensation insurance, then the owner or the principal contractor would be liable just as if the subcontractor's employee was one of their employees.

For answers to additional questions, visit the SC Worker's Compensation Commission website, at: <http://www.wcc.sc.gov/Pages/FrequentlyAskedQuestions.aspx#emp1>

35. Hold Harmless Clause

The Contractor shall, during the term of the contract including any warranty period, indemnify, defend, and hold harmless the County, its officials, employees, agents, and representatives thereof from all suits, actions, or claims of any kind, including attorney's fees, brought on account of any personal injuries, damages, or violations of rights, sustained by any person or property in consequence of any neglect in safeguarding contract work or on account of any act or omission by the contractor or his employees, or from any claims or amounts arising from violation of any law, bylaw, ordinance, regulation or decree. The vendor agrees that this clause shall include claims involving infringement of patent or copyright.

36. Condition of Items

All items shall be new, in first class condition, including containers suitable for shipment and storage, unless otherwise indicated herein. Verbal agreements to the contrary will not be recognized.

37. Workmanship and Inspection

All work under this contract shall be performed in a skillful and workmanlike manner. The County may, in writing, require the Contractor to remove any employee from work that the County deems incompetent or careless.

Further, the County may, from time to time, make inspections of the work performed under this contract. Any inspection by the County does not relieve the Contractor from any responsibility regarding defects or other failures to meet the contract requirements.

38. Invoicing and Payment

The firm shall submit invoices on a frequency to be determined, as agreed upon by the County, for each payment requested. Such invoice shall also include a detailed breakdown of all charges. All such invoices will be paid within thirty (30) days unless any items thereon are questioned, in which event payment will be withheld pending verification of the amount claimed and the validity of the claim. The firm shall provide complete cooperation during any such investigation. All invoices shall be forwarded to the following address:

County of Georgetown
Accounts Payable
P.O. Box 421270
Georgetown, SC 29442-4200

Individual contractors shall provide their social security numbers, and proprietorships, partnerships, and corporations shall provide their federal employer identification number on the pricing form.

39. South Carolina Sales Tax

The County of Georgetown, SC is not exempt and pays the appropriate SC sales tax on all applicable purchases. Effective May 01, 2015, the sales tax rate increased from 6% to 7% which includes a VAT for Georgetown County.

40. Assignment of Contract

This contract may not be assigned in whole or part without the written consent of the Purchasing Officer.

41. Termination

Subject to the provisions below, the contract may be terminated by the County upon thirty (30) days advance written notice to the other party; but if any work or service hereunder is in progress, but not completed as of the date of termination, then this contract may be extended upon written approval of the County until said work or services are completed and accepted.

a. Termination for Convenience

In the event that this contract is terminated or canceled upon request and for the convenience of the County, without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.

b. Termination for Cause

Termination by the County for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provision; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived in the event of Termination for Cause.

c. Non-Appropriation:

It is understood and agreed by the parties that in the event funds are not appropriated in the current fiscal year or any subsequent fiscal years, this contract will become null and void and the County will only be required to pay for services completed to the satisfaction of the County.

42. Default

In case of default by the contractor, for any reason whatsoever, the County may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law

43. Severability

In the event that any provision shall be adjudged or decreed to be invalid, such ruling shall not invalidate the entire Agreement but shall pertain only to the provision in question and the remaining provisions shall continue to be valid, binding and in full force and effect.

44. Applicable Laws

This Agreement shall be governed by and construed in accordance with the laws of the State of South Carolina, U.S.A.

45. Claims and Disputes:

All claims, disputes and other matters in question between parties arising out of, or relating to, this Agreement, or the breach thereof, shall be decided in the Circuit Court of the Fifteenth Judicial circuit in Georgetown County, South Carolina. By executing this Agreement, all parties specifically consent to venue and jurisdiction in Georgetown County, South Carolina and waive any right to contest jurisdiction and venue in said Court.

46. Rights of County

The County reserves the right to reject all or any part of any bid, waive informalities and award the contract to the lowest responsive and responsible bidder to best serves the interest of the County.

47. Award of Bid

In determining the lowest responsive and responsible bidder, in addition to price, there shall be considered the following:

- (a) The ability, capacity and skill of the bidder to perform the contract.
- (b) Whether the bidder can perform the contract within the time specified, without delay of interference.
- (c) The character, integrity, reputation, judgment, experience and efficiency of the bidder.
- (d) The quality of performance on previous contracts.
- (e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract.
- (f) The sufficiency of the financial resources to perform the contract to provide the service.
- (g) The quality, availability and adaptability of the supplies or contractual services to the particular use required.
- (h) The ability of the bidder to provide future maintenance and service.
- (i) The discount terms and conditions of the bid.

(j) Delivery time.

48. Notice of Award

A *Notice of Intent to Award* will be mailed to all respondents.

49. Protest

Bidders may refer to Sections 2-67, 2-73, and 2-74 of Ordinance #2008-09, also known as the Georgetown County, South Carolina Purchasing Policy to determine their remedies concerning this competitive process. The failure to be awarded a bid shall not be valid grounds for protest.

50. Debarment

By submitting a bid, the offeror certifies to the best of its knowledge and belief, that it and its principals, sub-contractors and assigns are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal, State or local department or agency. A copy of the County's debarment procedure in accordance with Section 2-68 of Ordinance #2008-09, also known as the Georgetown County, South Carolina Purchasing Policy is available upon request.

51. Firm Pricing for County Acceptance

Bid price must be firm for County acceptance for 90 days from bid opening date. "Discount from list," bids are not acceptable unless specifically requested.

52. Quotations to be F.O.B.: Destination

Quote F.O.B.: Destination for this competitive sealed bid. As an alternate, show exact cost for delivery.

53. Unit Prices and Extension

Bid unit price on quantity specified -- extend and show total. In case of errors in extension, unit prices shall govern. Bids subject to unlimited price increases will not be considered.

54. Use of Brand Names (If Appropriate)

Unless otherwise stated in an Invitation for Bid, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the County in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. Any catalog, brand name or manufacturer's reference used in bid invitation is descriptive - NOT restrictive - it is to indicate type and quality desired. Bids on brands of like nature and quality will be considered. If bidding on other than reference or specifications, bid must show manufacturer, brand or trade name, catalog number, etc. of article offered. If other than brand(s) specified is offered, illustrations and complete description must be submitted with bid. Samples may be required. If bidder makes no other bid and takes no exception to specifications or reference data, he will be required to furnish brand names, numbers, etc., as specified. Bidders must certify that item(s) bid upon meet and/or exceed specifications.

55. Permits

The successful Offeror must be responsible for obtaining all necessary city, county, and state permits/licenses and must comply with all local codes and ordinances. Copies of such permits/licenses shall be made available to the County upon request. Building contractors working within Georgetown County must also secure a Contractor's License from the Building Department. Work within the Georgetown City Limits may require a City Business License. For additional information, please review the "Forms and Fees" section of the Building and Planning web page at the link below:

<http://www.georgetowncountysc.org/building/default.html>

56. Environmental Management:

Vendor/Supplier/Contractor will be responsible for complying with all federal, state and local environmental regulations relating to transportation, handling, storage, spillage and any other aspect of providing the services specified herein, as applicable.

57. Bid Tabulation Results

Vendors wishing to view the bid tabulation results may visit the Georgetown County, SC web-site at: <http://www.georgetowncountysc.org>. Select "Bid Opportunities" from the Quick Links box, then "Bids Under Review" and double click the link under the individual bid listing.

58. The Bidder hereby certifies that he or she has carefully examined all of the Documents for the project, has carefully and thoroughly reviewed this Request for Bid/Quotation, has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this Bid is based upon the terms, specifications, requirements, and conditions of the Request for Bid/ Documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.

59. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.

60. Apparent omission of a detailed description concerning any point, shall be regarded as meaning the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used.

61. Response Clarification

Georgetown County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.

62. Georgetown County, SC has a Local Vendor Preference Option by ordinance:

Sec 2-50. Local Preference Option

1. A vendor shall be deemed a Local Georgetown County vendor for the purposes of this Section if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the State, maintains an office in Georgetown County, and maintains a representative inventory or commodities within the County on which the bid is submitted, and has paid all taxes duly assessed.
2. This option allows the lowest local Bidder whose bid is within five-percent (5%) of the lowest non-local Bidder to match the bid submitted by the non-local Bidder and thereby be awarded the contract.

This preference shall apply only when (a) the total dollar purchase is \$10,000 or more; (b) the vendor has a physical business address located and operating within the limits of Georgetown County and has been doing business in the County for a period of twelve (12) months or more; and (c) the vendor provides proof of payment of all applicable Georgetown County taxes and fees if so requested.

3. Should the lowest responsible and responsive Georgetown County bidder not exercise its right to match the bid as granted herein, the next lowest qualified Georgetown County bidder shall have that right and so on. The right to exercise the right to match the bid shall be exercised within 24 hours of notification of the right to match the non-Georgetown County bidder's bid.
4. In order to qualify for the local preference authorized by this Section, the vendor seeking same shall be required to submit with its bid a statement containing relevant information which demonstrates compliance with the provisions of this Section. This statement shall be on a form provided by the County purchasing department and shall be signed under penalty of perjury. Failure to provide such affidavit at the time the bidder submits its bid shall constitute a waiver of any claim for preference.
5. For all contracts for architecture, professional engineering, or other professional services governed by § 2-56, Architect-Engineer and Land Surveying Services – Public Announcement and Selection Process, the county shall include the local business status of a firm among the factors considered when selecting which firms are “most highly qualified.” In determining which firm is the “most qualified” for purposes of negotiating a satisfactory contract, preference shall be given to a local business where all other relevant factors are equal.
6. Local preference shall not apply to the following categories of contracts: (a) Goods or services provided under a cooperative purchasing agreement or similar “piggyback” contract; (b) Contracts for professional services except as provided for in section five (§5) above; (c) Purchases or contracts which are funded, in whole or in part, by a governmental or other funding entity, where the terms and conditions of receipt of the funds prohibit the preference; (d) Purchases or contracts made pursuant to a noncompetitive award process, unless otherwise provided by this section; or (e) Any bid announcement which specifically provides that the general local preference policies set forth in this section are suspended due to the unique nature of the goods or services sought, the existence of an emergency as found by either the county council or county administrator, or where such suspension is, in the opinion of the county attorney, required by law.

See the RESIDENCE CERTIFICATION FOR LOCAL PREFERENCE form attached for details.

63. Vendor Checklist

The items indicated below must be returned as a part of the Bid Submission package:

- Mandatory Bid Submittal Form
- IRS W-9
- Resident Certification for Local Preference
- Mandatory Exceptions Page

The successful proposer will be required to provide a Certificate of Insurance naming Georgetown County, SC as an additional insured. This must be on file prior to any final award.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK.]

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.	See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.</p> <hr/> <p>2 Business name/disregarded entity name, if different from above</p> <hr/> <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p> <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </p> <p> <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ </p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p> <input type="checkbox"/> Other (see instructions) ▶ _____ </p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p style="font-size: small;">(Applies to accounts maintained outside the U.S.)</p>
		<p>5 Address (number, street, and apt. or suite no.) See instructions.</p> <hr/> <p>6 City, state, and ZIP code</p> <hr/> <p>7 List account number(s) here (optional)</p> <hr/>	<p>Requester's name and address (optional)</p> <hr/>

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number											
				-			-				
or											
Employer identification number											
				-							

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or “doing business as” (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity’s name as shown on the entity’s tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a “disregarded entity.” See Regulations section 301.7701-2(c)(2)(iii). Enter the owner’s name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner’s name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on line 2, “Business name/disregarded entity name.” If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys’ fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.

You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.

You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor ²
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
6. Sole proprietorship or disregarded entity owned by an individual	The owner ³
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity ⁴
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Visit www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



RESIDENCE CERTIFICATION FOR LOCAL PREFERENCE

MANDATORY VENDOR SUBMITTAL FORM

WHEREAS, Georgetown County Council desires to further its support of local businesses when awarding contracts for the provision of supplies and construction services to the County through its established procurement procedures.

THEREFOR pursuant to Georgetown County, SC Ordinance #2014-02 as adopted, §2-50 Local Preference Option, the Georgetown County Purchasing Officer requests each offeror provide Residence Certification. The Local Preference Option provides some restrictions on the awarding of governmental contracts; provisions of which are stated below:

Sec 2-50. Local Preference Option

1. A vendor shall be deemed a Local Georgetown County vendor for the purposes of this Section if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the State, maintains an office in Georgetown County, and maintains a representative inventory or commodities within the County on which the bid is submitted, and has paid all taxes duly assessed.
2. This option allows the lowest local Bidder whose bid is within five-percent (5%) of the lowest non-local Bidder to match the bid submitted by the non-local Bidder and thereby be awarded the contract. This preference shall apply only when (a) the total dollar purchase is \$10,000 or more; (b) the vendor has a physical business address located and operating within the limits of Georgetown County and has been doing business in the County for a period of twelve (12) months or more; and (c) the vendor provides proof of payment of all applicable Georgetown County taxes and fees if so requested.
3. Should the lowest responsible and responsive Georgetown County bidder not exercise its right to match the bid as granted herein, the next lowest qualified Georgetown County bidder shall have that right and so on. The right to exercise the right to match the bid shall be exercised within 24 hours of notification of the right to match the non-Georgetown County bidder's bid.
4. In order to qualify for the local preference authorized by this Section, the vendor seeking same shall be required to submit with its bid a statement containing relevant information which demonstrates compliance with the provisions of this Section. This statement shall be on a form provided by the County purchasing department and shall be signed under penalty of perjury. Failure to provide such affidavit at the time the bidder submits its bid shall constitute a waiver of any claim for preference.
5. For all contracts for architecture, professional engineering, or other professional services governed by § 2-56, Architect-Engineer and Land Surveying Services – Public Announcement and Selection Process, the county shall include the local business status of a firm among the factors considered when selecting which firms are “most highly qualified.” In determining which firm is the “most qualified” for purposes of negotiating a satisfactory contract, preference shall be given to a local business where all other relevant factors are equal.

6. Local preference shall not apply to the following categories of contracts:

- (a) Goods or services provided under a cooperative purchasing agreement or similar “piggyback” contract;
- (b) Contracts for professional services except as provided for in section five (§5) above;
- (c) Purchases or contracts which are funded, in whole or in part, by a governmental or other funding entity, where the terms and conditions of receipt of the funds prohibit the preference;
- (d) Purchases or contracts made pursuant to a noncompetitive award process, unless otherwise provided by this section; or
- (e) Any bid announcement which specifically provides that the general local preference policies set forth in this section are suspended due to the unique nature of the goods or services sought, the existence of an emergency as found by either the county council or county administrator, or where such suspension is, in the opinion of the county attorney, required by law.

I certify that [Company Name] _____ is a

Resident Bidder of Georgetown County as defined in Ordinance #2014-02, (see §1. above) and our local place of business within Georgetown County is: _____

I certify that [Company Name] _____ is a

Non-Resident Bidder of Georgetown County as defined in Ordinance #2014-02, and our principal place of business is _____ [City and State].

(X) _____

Signature of Company Officer

[The remainder of this page intentionally left blank.]



MANDATORY BID SUBMITTAL FORM
Bid #19-028
Exterior Painting of Georgetown County Airport Terminal

The undersigned, on behalf of the vendor, certifies that: (1) this bid is made without previous understanding, agreement or connection with any person, firm or corporation making a bid on the same project; (2) is in all respects fair and without collusion or fraud; (3) the person whose signature appears below is legally empowered to bind the firm in whose name the bid is entered; (4) they have read the complete Request for Bid and understand and accept all provisions; (5) if accepted by the County, this bid is guaranteed as written and amended and will be implemented as stated; and (6) mistakes in writing of the submitted bid will be their responsibility.

1. Name of Company submitting bid _____
2. **BASE BID COST:** Preparation and Painting of Airport Terminal :
\$ _____
3. How many days will it take to complete this work? _____
4. **ALTERNATE #1** : LUMP SUM COST: Preparation and Painting of Maintenance Hanger including windows, doors and frames: \$ _____
5. How many days will it take to complete this work? _____
6. **ALTERNATE #2**: LUMP SUM COST: Preparation and Painting of windows, doors and frames on Airport Terminal Building: \$ _____
7. How many days will it take to complete this work? _____
8. When can this work be started? _____
9. Bid cost must remain valid ninety (90) days from bid opening date.
10. Delivery Date, or number of days for delivery after receipt of order: _____
11. Contact Address: _____

12. Contact Person _____
13. Telephone Number _____ Fax Number _____
14. E-Mail address _____

15. Remittance Address: _____

16. Accounting Contact _____

17. Telephone Number _____ Fax Number _____

18. E-Mail address _____

19. If the bid is accepted, the required Contract must be executed within fifteen (15) days after receipt of written notice of formal award of Contract.

20. Will you honor the submitted prices and terms for purchase by other departments within Georgetown County and/or by other government entities who participate in cooperative purchasing with Georgetown County, South Carolina?

Yes No

21. Acceptance of Invitation for Bid Content: The contents of the successful IFB/RPS are included as if fully reproduced herein. Therefore, the selected contractor must be prepared to be bound by his/her proposal as submitted.

22. **RENEWAL OF CONTRACT**

The continuation of the terms, conditions, and provisions of any resulting contract beyond the fiscal year is subject to approval and ratification by the Georgetown County Council and appropriation by them of the necessary money to fund said contract for each succeeding year.

23. CERTIFICATION REGARDING DRUG-FREE WORKPLACE:

The undersigned certifies that the vendor listed below will provide a “drug-free workplace” as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by the complying with the requirements set forth in title 44, Chapter 107.

Yes No

24. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor’s submittal to be declared null and void.

25. The lowest or any proposal will not necessarily be accepted and the County reserves the right to award any portion thereof. I/We, the undersigned, hereby confirm that all the above noted documents for Bid/Request for Proposal No. 19-028 were received.

26. ILLEGAL IMMIGRATION: Construction

By signing its bid or proposal, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws and agrees to provide to the State upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable both to Contractor and its subcontractors or sub-subcontractors; or (b) that Contractor and its subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document,

statement, or report pursuant to this chapter is guilty of a felony and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." Contractor agrees to include in any contracts with its subcontractors language requiring its subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in their contracts with the sub-subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. (An overview is available at www.procurement.sc.gov).

27. Customer References:

Entity Name:	
Contact:	
Title:	
Street:	
City, State & Zip:	
Primary Telephone:	
Primary FAX:	
E-Mail Address:	
Brief Explanation of Relationship:	

Entity Name:	
Contact:	
Title:	
Street:	
City, State & Zip:	
Primary Telephone:	
Primary FAX:	
E-Mail Address:	
Brief Explanation of Relationship:	

Entity Name:	
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EXCEPTIONS PAGE

MANDATORY BID SUBMISSION FORM

List any areas where you cannot or will not comply with the specifications or terms contained within the bid documentation. If none, write "NONE".

EXHIBIT A

Terminal Front



Terminal Street Front



Terminal Side



Terminal Side



Maintenance Hangar Front



Maintenance Hanger Back



Maintenance Hangar Side





SHERWIN-WILLIAMS.

Specification

Georgetown County Airport Terminal

Presented By:
Reid Edwards
Sales Representative

(843) 315-4983
reid.h.edwards@sherwin.com

SHERWIN-WILLIAMS
1107 CHURCH ST
GEORGETOWN, SC 29440 3201
(843) 546-4241

April 01, 2019



Exterior Finishes

EIFS

- 2 Coats:** A82W00151 - A-100® Exterior Latex Satin Extra White
- Location: Main Body, Signs, Fence
Notes: Color: Match Existing

Wood - Exterior

- Primer:** Y24W08020 - Exterior Oil-Based Wood Primer White
- Location: Exposed Beams, Fascia
- 2 Coats:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White
- Location: Exposed Beams, Fascia
Notes: Color: Match Existing

Metal - Doors, Trim

- Primer:** B66W01310 - PI PROCRYL PRIMER OFF W
- Location: Doors, Trim
*Notes: ** Clean and abrade surface prior to application*
- 2 Coats:** K38W00751 - EMERALD URETHANE ENAMEL SG EW
- Location: Doors, Trim
Notes: Color: Match Existing

Soffit

- 2 Coats:** B66W01551 - PI MULTI-SURFACE ACR SG EW
Notes: Color: Match Existing



SHERWIN-WILLIAMS.

Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

Aluminum – S-W 1: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

Block (Cinder and Concrete) – S-W 3: Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTM D4261).

Brick – S-W 4: Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner.

Concrete and Masonry – Concrete, Poured – Exterior or Interior – S-W 5: The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:

- 1. Cure** – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.
- 2. Moisture** – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method. Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.
- 3. Temperature** – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

4. Contamination – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

5. Surface Condition – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

6. Concrete Treatment – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods: Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.

Used to remove dirt, loose material, and/or dust from concrete.

Detergent water cleaning and steam cleaning per ASTM D4258.

Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

Mechanical Surface Preparation Methods:

Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.

Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

Impact tool methods per ASTM D4259.

Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.

Power tool methods per ASTM D4259.

Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

Chemical Surface Preparation Methods:

Acid etching per ASTM D4260. Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.

1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should have a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

Cement Composition Siding/Panels – S-W 6: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, many times the pH may be 10 or higher.

Composition Board (Hardboard) – S-W 9: Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyl primer.

Copper – S-W 7: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

Drywall—Interior and Exterior – S-W 8: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

Galvanized Metal – S-W 10: Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

Plaster – S-W 11: Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel/Ferrous Metal Substrates

SSPC-SP1- Solvent Cleaning: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**)

SSPC-SP2 - Hand Tool Cleaning: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

SSPC-SP3 - Power Tool Cleaning: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

SSPC-SP5 / NACE 1 - White Metal Blast Cleaning: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

SSPC-SP6 / NACE 3 - Commercial Blast Cleaning: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mill scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

SSPC-SP10 / NACE 2 - Near-White Blast Cleaning: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

SSPC-SP11 - Power Tool Cleaning to Bare Metal: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating: High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

SSPC-SP14 / NACE 8 – Industrial Blast Cleaning: This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals: This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:

SSPC-SP WJ-1/NACE WJ-1: Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objective is to remove every trace of rust and other corrosion products, coating and mill scale.

SSPC-SP WJ-2/NACE WJ-2: Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove almost all rust and other corrosion products, coating, and mill scale.

SSPC-SP WJ-3/NACE WJ-3: Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mill scale, leaving tightly adherent thin films.

SSPC-SP WJ-4/NACE WJ-4: Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corrosion products, coating, and mill scale to remain as possible. Discoloration of the surface may be present.

Water Blasting NACE Standard RP-01-72: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

Stucco S-W 22 : Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

Wood—Exterior – S-W 23: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

Wood—Interior – S-W 24: All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Previously Coated Surfaces – S-W 12: Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required per ASTM D4259.

Touch-Up, Maintenance and Repair

For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

Mildew –Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.



SHERWIN-WILLIAMS.

Reference Pages

Data Pages



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102.11

A-100[®]

Exterior Latex Satin

A82W00107 White
A82W00151 Extra White
A82W00153 Deep Base
A82T00154 Ultradeep Base

As of 11/07/2017, Complies with:		
OTC	Yes	LEED [®] 09 NC CI N/A
OTC Phase II	Yes	LEED [®] 09 CS N/A
SCAQMD	Yes	LEED [®] v4 Emissions N/A
CARB	Yes	LEED [®] v4 VOC Yes
CARB SCM2007	Yes	
Canada	Yes	MPI Yes

CHARACTERISTICS

A-100 Exterior Latex is a quality exterior finish. This product is recommended for use on aluminum, vinyl, and wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

Color: Most colors
To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 1.4 mils dry

Drying Time, @ 50% RH:
@ 35-45°F @ 45°F +

Touch: 2 hour 2 hours

Recoat: 24-48 hours 4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 10-20 units @ 60°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A82W00151
(may vary by base)

VOC (less exempt solvents):
<50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 36 ± 2%

Weight Solids: 46 ± 2%

Weight per Gallon: 9.88 lb

Flash Point: N/A

Vehicle Type: 100% Acrylic

WVP Perms (US) 24.58
grains/(hr ft² in Hg)

Mildew Resistant

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

SPECIFICATIONS

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

Aluminum & Aluminum Siding¹

2 cts. A-100 Exterior Latex

Concrete Block, CMU, Split face Block

1 ct. Loxon Block Surfacers

2 cts. A-100 Exterior Latex

Brick

1 ct. Loxon Conditioner²

2 cts. A-100 Exterior Latex

Cement Composition Siding/Panels

1 ct. Loxon Concrete & Masonry Primer²

or Loxon Conditioner²

2 cts. A-100 Exterior Latex

Galvanized Steel¹

2 cts. A-100 Exterior Latex

Stucco, Cement, Concrete

1 ct. Loxon Concrete & Masonry Primer²

2 cts. A-100 Exterior Latex

Plywood

1 ct. Exterior Latex Wood Primer

2 cts. A-100 Exterior Latex

Vinyl Siding*

2 cts. A-100 Exterior Latex

Wood

1 ct. Exterior Oil-Based Wood Primer

2 cts. A-100 Exterior Latex

¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

² Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Cement Composition Siding/Panels

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.



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102.11

A-100[®]

Exterior Latex Satin

A82W00107 White
A82W00151 Extra White
A82W00153 Deep Base
A82T00154 Ultradeep Base

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, Block All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Acrylic Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p>Steel Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Stucco Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p>*Vinyl or other PVC Building Products Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p> <p>Wood, Plywood, Composition Board Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.</p>	<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours. No reduction necessary.</p> <p>Brush Use a nylon/polyester brush.</p> <p>Roller Use a 3/8" - 3/4" nap synthetic cover.</p> <p>Spray—Airless Pressure..... 2000 psi Tip..... .015"-.019"</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 10/06/2017 A82W00151 37 36 KOR, Viet, SP, FRC</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>



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109.31

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)

As of 03/01/2017, Complies with:			
OTC	Yes	LEED® 09 CI	No
OTC Phase II	No	LEED® 09 NC	No
SCAQMD	No	LEED® 09 CS	No
CARB	Yes	LEED® V4 Emissions	No
CARB SCM2007	No	LEED® V4 VOC	No
Canada	Yes	MPI®	Yes

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SURFACE PREPARATION</u>
<p>Exterior Oil-Based Wood Primer is designed for blocking tannin, water, and other stains on exterior wood, manufactured siding, hardboard, rough sawn siding, and trim as a spot primer or overall primer.</p> <ul style="list-style-type: none"> Penetrates and seals bare wood for strong adhesion and a long lasting finish Blocks stains from water, wood tannins and knots Resists mildew <p>For use on these surfaces:</p> <ul style="list-style-type: none"> Pine Fir Cedar Redwood Oak Maple Ash Hardboard Primed Metal Previously Painted Surfaces <p>Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>	<p>Color: White</p> <p>Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 2.3 mils dry</p> <p>Drying Time, @ 50% RH: @ 35-45°F @ 45°F+</p> <p>Touch: 4-8 hours 2-4 hours Recoat: 24-48 hours 24 hours</p> <p><small>Drying and recoat times are temperature, humidity and film thickness dependent.</small></p> <p>Flash Point: 115°F, PMCC</p> <p>Finish: 0-18 units @ 85°</p> <p>Vehicle Type: Alkyd</p> <p style="text-align: center;">Y24W08020</p> <p>VOC (less exempt solvents): 317 g/L; 2.64 lb/gal</p> <p><small>As per 40 CFR 59.406 and SOR/2009-264, s.12</small></p> <p>Volume Solids: 59 ± 2%</p> <p>Weight Solids: 77 ± 2%</p> <p>Weight per Gallon: 11.42 lb</p> <p>WVP Perms (US) 2.7 grains/(hr ft² in Hg)</p> <p>Tinting Requires Blend-A-Color Toner for tinting. For best color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of Blend-A-Color Toner can be used to approximate the topcoat color. Check color before use.</p> <p>When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.</p> <p>For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.</p>	<p>WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.</p> <p>Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.</p> <p>Seal stains from water, smoke, ink, pencil, grease, etc. with an appropriate primer sealer.</p> <p>Wood, Composition Board - Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Spot prime knots and sap streaks.</p> <p>On woods that present potential tannin bleeding, such as redwood and cedar, Exterior Oil-Based Wood Primer can be used. Care must be taken to determine if tannins will be activated by the solvent in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Latex Wood Primer.</p>



**SHERWIN
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109.31

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)

<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>	<u>CAUTIONS</u>
<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.</p> <p>Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p>Caulking Fill gaps between windows, doors, trim, and other through-wall openings with the appropriate caulk after priming the surface.</p>	<p>Apply at temperatures above 35°F. No reduction necessary.</p> <p>Brush Use a natural bristle brush</p> <p>Roller Use a 3/8" - 3/4" nap synthetic cover</p> <p>Airless Spray Pressure2000 psi Tip..... .019"-.021"</p> <p><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, and tools immediately with compliant clean up solvent. Follow manufacturer's safety recommendations when using solvents.</p> <p>DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.</p>	<p>For exterior use only. Non-photochemically reactive. Not for use on horizontal surfaces, such as a roof, deck, or floor, or where water may collect.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/01/2017 Y24W08020 34 317 FRC</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>



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As of 11/29/2017, Complies with:			
OTC	Yes	LEED® 09 NC CI	N/A
OTC Phase II	Yes	LEED® 09 CS	N/A
SCAQMD	Yes	LEED® v4 Emissions	N/A
CARB	Yes	LEED® v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

RESILIENCE® Exterior Latex Gloss

K44W00050 Super White
K44W00051 Extra White
K44W00053 Deep Base
K44T00054 Ultradeep Base
K44Y00056 Light Yellow
K44R00058 Primary Red
K44Y00057 Vivid Yellow

CHARACTERISTICS

Resilience Exterior is a high quality exterior finish with MoistureGuard™ Technology for excellent early moisture resistance. This product, which has improved resistance to early dirt pick up, is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

Color: Most colors
To optimize hide and color development, always use the recommended P-Shadow primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 1.6 mils dry

Drying Time, @ 50% RH:
@ 35-45°F @ 45°F +

Touch: 2 hour 2 hours
Recoat: 24-48 hours 4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-7	Sher-Color
Deep Base	4-12	Sher-Color
Ultradeep	10-12	Sher-Color
Light Yellow	0-12	Sher-Color
Primary Red	0-12	Sher-Color
Vivid Yellow	0-12	Sher-Color

Extra White K44W00051

(may vary by base)

VOC (less exempt solvents):
<50 g/L; <0.42 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 39 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.10 lb

Flash Point: N/A

Vehicle Type: 100% Acrylic

VWP Perms (US) 17.42

grains/(hr ft² in Hg)

Mildew Resistant

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

SPECIFICATIONS

Aluminum & Aluminum Siding¹

2 cts. Resilience Exterior Latex
Concrete Block, CMU, Split face Block

1 ct. Loxon Block Surfacer

2 cts. Resilience Exterior Latex

Brick

1 ct. Loxon Conditioner²

2 cts. Resilience Exterior Latex

Cement Composition Siding/Panels

1 ct. Loxon Concrete & Masonry
Primer/Sealer²

or Loxon Conditioner²

2 cts. Resilience Exterior Latex

Galvanized Steel¹

2 cts. Resilience Exterior Latex

Stucco, Cement, Concrete

1 ct. Loxon Concrete & Masonry
Primer/Sealer²

2 cts. Resilience Exterior Latex

Plywood

1 ct. Exterior Latex Wood Primer

2 cts. Resilience Exterior Latex

Steel¹

1 ct. All Surface Enamel Primer²

2 cts. Resilience Exterior Latex

Vinyl Siding*

2 cts. Resilience Exterior Latex

Wood, Composition Board

1 ct. Exterior Oil-Based Wood Primer

2 cts. Resilience Exterior Latex

¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

² Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding/Panels

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer/Sealer.

Caulking

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.



RESILIENCE®

Exterior Latex Gloss

- K44W00050 Super White
- K44W00051 Extra White
- K44W00053 Deep Base
- K44T00054 Ultradeep Base
- K44Y00056 Light Yellow
- K44R00058 Primary Red
- K44Y00057 Vivid Yellow

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, Cement, Block All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p>Steel Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Stucco Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p>*Vinyl or other PVC Building Products Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p> <p>Wood, Plywood, Composition Board Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.</p>	<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 1-1½ hours. Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours. No reduction necessary. Brush - Use a nylon/polyester brush. Roller - Use a 3/8" - 3/4" nap synthetic cover. Spray—Airless Pressure 2000 psi Tip015"-.017"</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 11/29/2017 K44W00051 26 30 Viet, FRC, SP, KOR</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>



PRO

INDUSTRIAL™

113.05A

PRO-CRYL®
UNIVERSAL PRIMER



B66W01310 Off White
B66A01320 Medium Grey
B66N01310 Red Oxide

As of 04/17/2017, Complies with:			
OTC	Yes	LEED®09 NC.CI	Yes
OTC Phase II	Yes	LEED®09 CS	Yes
SCAQMD	Yes	LEED®09 H&S	Yes
CARB	Yes	LEED®v4 Emissions	Yes
CARB SCM 2007	Yes	LEED®v4 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel, Galvanized & Aluminum
- Wood

Color: Off White,
Recommended Spread Rate per coat:
Wet mils: 5.0 - 10.0
Dry mils: 1.9 - 3.8
~Coverage: 160 - 320 sq ft/gal

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 6.0 mils wet 50% RH:

	40°F	77°F	120°F
To touch:	2 hrs	40 min	20 min
Tack free:	8 hrs	2 hrs	1 hr
To recoat:	16 hrs	4 hrs	2 hrs

Drying time is temperature, humidity, and film thickness dependent.

Finish: Low sheen

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting: DO NOT TINT

Off White B66W01310 (may vary by color)

VOC (less exempt solvents):
<50 g/L - 0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 38% ± 2%

Weight Solids: 49% ± 2%

Weight per Gallon: 10.09 lb

RECOMMENDED SYSTEMS

Water Based Topcoat:

- 1-2 cts. Pro Industrial Acrylic Coating
- or Pro Industrial Acrylic Dryfall
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Epoxy
- or Pro Industrial Water Based Acrolon 100
- or Pro Industrial Water Base Alkyd Urethane
- or Pro Industrial Water Based Catalyzed Epoxy
- or Sherwin-Williams Architectural Coatings

Solvent Based Topcoat:

- 1-2 cts. Pro Industrial High Performance Epoxy
- or Pro Industrial Urethane Alkyd

The systems listed above are representative of the product's use, other systems may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
1 ct. Pro Industrial Pro-Cryl Universal Off White Primer
1 ct. Pro Industrial Acrylic Coating

Adhesion:

Method: ASTM D4541
Result: 500 psi

Moisture Condensation Resistance:

Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Corrosion Weathering:

Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Pencil Hardness:

Method: ASTM D3363
Result: B

Direct Impact Resistance:

Method: ASTM D2794
Result: >140 in. lbs.

Salt Fog Resistance:

Method: ASTM B117, 1250 hours
Result: Passes

Dry Heat Resistance:

Method: ASTM D2485
Result: 200°F

Provides performance comparable to products formulated to federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

Flexibility:

Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron and Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Self priming.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
 Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.
 No painting should be done immediately after a rain or during foggy weather.
 When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.
 For optimal performance, this primer should be topcoated.
 For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

APPLICATION

Refer to the SDS before using
Temperature: 40°F minimum
 120°F maximum
 (air, surface, and material)
 At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray

Pressure2000 psi
 Hose 1/4" ID
 Tip015" - .019"
 Filter 60 mesh
 ReductionNot recommended

Conventional Spray

Gun Binks 95
 Fluid Nozzle..... 66
 Air Nozzle 63PB
 Atomization Pressure60 psi
 Fluid Pressure25 psi
 Reduction as needed up to 5% by volume

Brush Nylon/Polyester
 ReductionNot recommended

Roller3/8" woven
 Reduction as needed up to 5% by volume

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 04/17/2017 B66W01310 01 39

KOR, FRC,SP

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**SHERWIN
WILLIAMS.**

**101.010SG
EMERALD®**

**Urethane Trim Enamel
Interior-Exterior Waterbased
Semi-Gloss**

K38W00750 & 751 (US)
K38WQ8750 & 8751 (CANADA)

As of 12/10/2018, Complies with:			
OTC	Yes	LEED® 09 NC CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H	Yes
CARB	Yes	LEED® v4 Emissions	No
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	

CHARACTERISTICS

Emerald Urethane Trim Enamel is a waterbased "Best-In-Class" quality interior/exterior enamel formulated with a urethane modified alkyd resin system for premium quality and performance. It delivers the look, feel and durability of an oil based enamel with the convenience of a waterbased formula. Excellent flow and leveling, gloss and color retention when applied to interior/exterior surfaces such as properly prepared drywall, wood, masonry and metal.

Color: Many colors
To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq ft/gal

@ 4 mils wet; 1.4 mils dry
(8.6-9.8 m²/L)

Drying Time, @ 77°F(25 °C), 50% RH:

Touch: 2 hours
Recoat: 4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: Semi-Gloss 45-65 units @ 60°

Tinting with CCE only:

Base	oz/gal	Strength
Extra White	0-6	Shercolor
Hi-Hide White	0-2	Shercolor

To optimize hide and color development, always use the recommended P-shade primer

Extra White K38W00751

(may vary by color and base)

VOC (less exempt solvents):

<50 g/L; 0.42 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 34 ± 2%

Weight Solids: 49 ± 2%

Weight per Gallon: 10.54 lb (4.78 kg)

Flash Point: N/A

Vehicle Type: Urethane modified alkyd

SPECIFICATIONS

Interior:

Drywall

1ct. ProMar 200 Zero VOC Primer
2cts. Emerald Urethane Trim Enamel

Plaster

1ct. Premium Wall & Wood Primer
2cts. Emerald Urethane Trim Enamel

Wood

1ct. Premium Wall & Wood Primer
2cts. Emerald Urethane Trim Enamel

Interior & Exterior:

Aluminum, Galvanized & Steel

1 ct. All Surface Enamel Latex Primer
2cts. Emerald Urethane Trim Enamel

Block

1ct. Loxon Block Surfacer
2cts. Emerald Urethane Trim Enamel

Masonry, Cement, Stucco

1ct. Loxon Concrete & Masonry Primer
2cts. Emerald Urethane Trim Enamel

Exterior:

Wood, Composition Board

1ct. Exterior Oil-Based Wood Primer
Or Exterior Latex Wood Primer
2cts. Emerald Urethane Trim Enamel

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking

Gaps between windows, doors, trim, walls, ceilings, crown moldings and other trim can be filled with the appropriate caulk after priming the surface.

Concrete Block All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with Loxon Block Surfacer to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.



**SHERWIN
WILLIAMS.**

**101.010SG
EMERALD®**

**Urethane Trim Enamel
Interior-Exterior Waterbased
Semi-Gloss**

K38W00750 & 751 (US)
K38WQ8750 & 8751 (CANADA)

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, Cement All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.</p> <p>Steel Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Stucco Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p>Wood, Plywood, Composition Board Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using. Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer</p>	<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>Apply at temperatures above 50°F(10°C). No reduction needed.</p> <p>Brush Use a nylon/polyester brush.</p> <p>Roller Use a high quality 1/4"-1/2" woven roller cover.</p> <p>Spray-Airless Pressure2000 psi Tip......013"-.017"</p>	<p>Protect from freezing. Non-photochemically reactive. For exterior use on doors, trim, and other small areas of wood or metal. Do not use on the main body of exterior structures.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.</p> <p>HOTW 12/10/2018 K38W00751 12 45 FRC, SP,KOR</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, splatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p>
<p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>		



PRO INDUSTRIAL™

113.04A

MULTI-SURFACE ACRYLIC

B66-1500 SERIES GLOSS
 B66-1550 SERIES SEMI-GLOSS
 B66-1560 SERIES EG-SHEL

As of 10/15/2018, Complies with:			
OTC	Yes	LEED® 09 NC CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® v4 Emissions	No
CARB	Yes	LEED® v4 VOC	Yes
CARB SCM 2007	Yes		
Canada	Yes	MPI Gloss & Eg-Shel	Yes

PRODUCT DESCRIPTION

Pro Industrial Multi-Surface Acrylic is a waterborne acrylic for interior and exterior use on marginally prepared metal or masonry surfaces. Features multiple sheens, fast dry, easy application and dry fall properties.

- Self-priming directly to multiple surfaces
- Excellent one-coat hide and stain blocking
- Excellent adhesion to slick and glossy surfaces
- Abrasion resistant
- Optimized for spray application
- Good exterior color and gloss retention
- Dries fast and dry falls in 10-15 feet
- Suitable for use in USDA inspected facilities

PRODUCT CHARACTERISTICS

Color: most colors

Extra White B66W01501
 (may vary by base)

Recommended Spread Rate per coat:

Wet mils: 3.75 - 6.0
 Dry mils: 1.5 - 2.5
 Coverage: 263 - 435 sq ft/gal

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Finish: 10-20@85° Eg-Shel
 35-45@60° Semi-Gloss
 70+@60° Gloss

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	Sher-Color
Ultradeep	10-14	Sher-Color

 Tinting will affect the dryfall characteristics

SPECIFICATIONS

Extra White:	B66W01501	B66W01551 (may vary by color)	B66W01561
VOC (less exempt solvents):	<50 g/L; <0.42 lb/gal As per 40 CFR 59.406		
Volume Solids:	41 ± 2%	38 ± 2%	39 ± 2%
Weight Solids:	52 ± 2%	50 ± 2%	51 ± 2%
Weight per Gallon:	10.31 lb/gal ± 2%	10.25 lb/gal ± 2%	10.39 lb/gal ± 2%
Flash Point:	N/A	N/A	N/A
Vehicle Type:	Acrylic	Acrylic	Acrylic
Shelf Life:	24 months	24 months	24 months
Drying Schedule @ 5.0 mils wet, 50% RH:			
	@ 50°F	@ 77°F	@ 110°F
To touch:	1 hr	30 min	15 min
To handle:	2 hrs	1 hr	30 min
To recoat:	4 hrs	2 hrs	1 hr
Dryfall:	10-15 ft.	10 ft.	10 ft.

Drying, and recoat times are temperature, humidity, and film thickness dependent. Dry fall characteristics will be affected at temperatures below 77°F(25°C) or above 50% RH.

RECOMMENDED SYSTEMS

Steel: 2 cts. Pro Industrial Multi-Surface Acrylic	Galvanizing: 2 cts. Pro Industrial Multi-Surface Acrylic
Steel: 1 ct. Pro Industrial Pro-Cryl Primer 2 cts. Pro Industrial Multi-Surface Acrylic	Concrete Block: 1 ct. Pro Industrial Heavy Duty Block Filler 2 cts. Pro Industrial Multi-Surface Acrylic
Aluminum: 2 cts. Pro Industrial Multi-Surface Acrylic	Concrete/Masonry: 2 cts. Pro Industrial Multi-Surface Acrylic

The systems listed above are representative of the product's use, other systems may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Steel
 Surface Preparation: SSPC-SP10
 Finish: 2 ct. Pro Industrial Multi-Surface Acrylic, B66W01501
 6 mils WFT, 2.5 mils DFT per coat

Abrasion Resistance
 Method: ASTM D4060, CS17 wheel,
 1000 cycles, 1 kg load
 Result: 28.1 mg loss

Adhesion
 Method: ASTM D4541,
 Result: >1100 psi

Direct Impact Resistance:
 Method: ASTM D2794
 Result: 36 in. lb

Dry Heat Resistance:
 Method: ASTM D2485
 Result: 300°F

Flexibility:
 Method: ASTM D522, 180° bend,
 1/8" mandrel
 Result: Passes

Pencil Hardness:
 Method: ASTM D3363
 Result: 4H

**PRO INDUSTRIAL
MULTI-SURFACE ACRYLIC**



SHERWIN-WILLIAMS.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Heavy Duty Block Filler or Loxon Block Surfer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build. Excessive reduction of material can affect film build, appearance, and adhesion.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

Dry fall characteristics will be affected by tinting and at temperatures below 77°F(25°C) or above 50% RH.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label and refer to the Safety Data Sheets (SDSs) before use. **FOR PROFESSIONAL USE ONLY.**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

No painting should be done immediately after a rain or during foggy weather.
Do not paint on wet surfaces.
Check adhesion by applying a test strip to determine the readiness for painting.

APPLICATION

Temperature: 50°F minimum
100°F maximum
(Air, surface, and material)
At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray

Pressure2000 psi
Hose 1/4" ID
Tip013" - .017"
Filter 60 mesh
ReductionNot recommended

Conventional Spray

Gun Binks 95
Fluid Nozzle.....63C
Air Nozzle63FB
Atomization Pressure 60 PSI
Fluid Pressure 50 PSI
ReductionNot recommended

Brush Nylon / polyester
ReductionNot recommended
Due to this product's fast dry performance, brushing should be limited to small areas where a wet edge can be maintained

Roller1/4" woven
ReductionNot recommended

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	10/15/2018	B66W01501	11 44
HOTW	10/15/2018	B66W01551	05 44
HOTW	10/15/2018	B66W01561	10 44
FRC, SP, KOR			

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SHERWIN-WILLIAMS.

Specification

Aircraft Storage Hangar

Presented By:
Reid Edwards
Sales Representative

(843) 315-4983
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SHERWIN-WILLIAMS
1107 CHURCH ST
GEORGETOWN, SC 29440 3201
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April 01, 2019



Exterior Finishes

Metal - Pre-Finished Siding

Primer: B66A00050 - DTM Bonding Primer Off White

- Location: Hangar Ends, Overhead Doors

*Notes: ** Cleaning with TSP or equivalent prior to application is recommended for best performance*

2 Coats: B66W00351 - Sher-Cryl HPA High Performance Acrylic Semi-Gloss Coating Extra White

- Location: Hangar Ends, Overhead Doors

Notes: Color: Match Existing

Metal - Previously Painted

Prime/Spot Prime: B66W01310 - PI PROCRYL PRIMER OFF W

- Location: Hangar Sides

*Notes: ** Cleaning with TSP or equivalent prior to application is recommended for best performance*

2 Coats: B66W00351 - Sher-Cryl HPA High Performance Acrylic Semi-Gloss Coating Extra White

- Location: Hangar Sides

*Notes: ** Cleaning with TSP or equivalent prior to application is recommended for best performance ***

Color: Match Pre-Finished Siding

Steel/Ferrous Metal

Primer: B50WZ0001 - Kem Kromik® Universal Metal Primer Off White

- Location: Overhead Door Frames/Beams

*Notes: ** Prime immediately after rust/scale is removed*

2 Coats: B54W00151 - Pro Industrial Urethane Alkyd Enamel Extra White

- Location: Overhead Door Frames/Beams

Notes: Color: TBD

Wood - Unfinished & Previously Painted

Primer: Y24W08020 - Exterior Oil-Based Wood Primer White

- Location: Doors, Trim, Fascia

2 Coats: K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

- Location: Doors, Trim, Fascia

Notes: Color: TBD



SHERWIN-WILLIAMS®

Reference Pages

Data Pages



DTM BONDING PRIMER

B66A00050 Off White

As of 12/04/2017, Complies with:			
OTC	Yes	LEED® 09 NC	Yes
OTC Phase II	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 CS	Yes
CARB	Yes	LEED® v4 Emissions	No
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	

CHARACTERISTICS

DTM BONDING PRIMER is a waterborne, acrylic emulsion, adhesion-promoting bonding primer. Designed to be part of a system for coating pre-finished metal siding (such as those containing Fluorocarbon [Kynar®], Silicone Polyester, or Polyester Polymers), or other hard, slick, glossy surfaces, and previously painted surfaces.

For use over properly prepared pre-finished siding:

- Fluorocarbons (Kynar®)
- Polyester Polymers
- Silicone Polyesters
- Must be topcoated
- Outstanding application characteristics

Recommended for:

- Light industrial
- Pre-Finished Siding
- Manufacturing Facilities & New Construction
- Suitable for use in USDA inspected facilities

Tinting: Do Not Tint

Off White B66A00050

VOC (less exempt solvent) <50 g/L - <.42 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

KU 96-106
Finish: 0-5@85°
Shelf Life: 36 months, unopened
Volume Solids: 43 ± 2%
Weight Solids: 58 ± 2%
Weight per Gallon: 11.18 lb/gal
Flash Point: N/A

SPECIFICATIONS

Color: Off White
Recommended Spread Rate per coat: Extra White B66A00050
 wet mils: 5.0 -12.0
 dry mils: 2.1 - 5.1
 coverage: 328- 135 sq ft/gal approximate
Theoretical coverage: 689 sq ft/gal @ 1 mil dry
Drying Schedule @ 8.0 mils wet, 50% RH:
 Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@ 50°F/10°C	@ 77°F/25°C	@ 120°F/49°C
To touch:	1 hour	40 minutes	20 minutes
To handle:	6 hours	4 hours	2 hours
To recoat:	8 hours	4 hours	2 hours
To cure:	7 days	7 days	3 days

RECOMMENDED SYSTEMS

<p>Fluorocarbon, Silicon Polyester, Polyester Polymers: 1ct. Bonding Primer 1-2cts. Pro Industrial Acrylic Or these other acceptable topcoats Pro Industrial DTM Acrylic Pro Industrial DTM Primer/Finish Pro Industrial Multi-Surface Acrylic Bond-Plex WB Acrylic Metalatex Semi-Gloss Sher-Cryl HPA</p>	<p>Previously Painted, Hard, Slick or Glossy Surfaces: 1ct. Bonding Primer 1-2cts. Pro Industrial Acrylic Or these other acceptable topcoats Pro Industrial DTM Acrylic Pro Industrial DTM Primer/Finish Pro Industrial Multi-Surface Acrylic Bond-Plex WB Acrylic Metalatex Semi-Gloss Sher-Cryl HPA</p>
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Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

System Tested: (unless otherwise indicated)
Substrate: Pre-Finished Siding
Surface Preparation: SSPC-SP1
System: DTM Bonding Primer @3.0 mils dft

Density¹:	pH¹:
Result: 11.13-11.73	Result: 8.5-9.5
Flexibility:	Sag Test¹:
Method: ASTM D522, 180° bend, 1/4" mandrel	Method: ASTM D4400
Result: Pass	Result: 14 mils minimum
Fineness of grind¹:	Viscosity¹:
Method: Hegman	Result: 96-106 KU
Result: 5 Hegman minimum	

¹ Standard test based on Certificate of Analysis



DTM BONDING PRIMER

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Prefinished Siding Fluorocarbon, Silicon Polyester, Polyester Polymers-Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72 (caution: excessive blasting pressure may cause warping, use caution). Always check for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Product must be topcoated.

DTM Bonding Primer can be used on steel, aluminum, or galvanized. It does not provide any rust inhibitive protection. Corrosion resistant primers are recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

APPLICATION

Refer to the SDS sheet before use

Temperature: 50°F/10°C minimum
120°F/49°C maximum
(Air, surface, and material)
At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions. Excessive reduction of material can affect film build, appearance, and adhesion.

Reducer Water
Clean Up Soap & Water

Airless Spray

Pressure 2400 psi
Hose 1/4"-3/8" ID
Tip017"-.019"
Filter 60 mesh
Reduction As needed up to 12^{1/2}% by volume

Conventional Spray

Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63PB
Atomization Pressure 60 psi
Fluid Pressure 25 psi
Reduction As needed up to 12^{1/2}% by volume

Brush

Brush Nylon / polyester
Reduction Not recommended

Roller

Cover 3/8" woven solvent resistant core
Reduction Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and splatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 12/04/2017 B66A00050 28 44

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.



SHER-CRYL™ HPA

HIGH PERFORMANCE ACRYLIC

As of 12/04/2017, Complies with:			
OTC	Yes	LEED® 09 NC, CI	No
OTC Phase II	Yes	LEED® 09 CS	No
SCAQMD	No	LEED® 09 S	No
CARB	Yes	LEED® v4 Erissions	No
CARB SCM 2007	Yes	LEED® v4 VOC	No
Canada	Yes	MPI	(Gloss)Yes

B66W00300 Gloss Ultra White
 B66W00311 Gloss Extra White
 B66T00304 Gloss Ultradeep Base
 B66B00300 Gloss Safety Black
 B66R00300 Gloss Safety Red
 B66Y00300 Gloss Safety Yellow

B66W00350 Semi-Gloss Ultra White
 B66W00351 Semi-Gloss Extra White
 B66T00354 Semi-Gloss Ultradeep Base

CHARACTERISTICS

SHER-CRYL HPA is a High Performance ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical resistant
- Outstanding humidity resistance
- Flash rust/early rust resistant
- Corrosion resistant
- Fast dry
- Outstanding application characteristics

For use on properly prepared:

- Steel, Galvanized & Aluminum
- Concrete/Masonry
- Wood
- Previously Painted & Zinc rich primers

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Suitable for use in USDA inspected facilities
- Interior or Exterior

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-4	SherColor
Ultradeep	10-12	SherColor

Shelf Life: 36 months, unopened
Finish: 80°+@60° Gloss
 35-45°@60° Semi-Gloss

Gloss Extra White B66W00311

(may vary by base)

VOC (less exempt solvent) 195 g/L - 1.63 lb/gal
 (as per 40 CFR 59.406 and SOR/2009-264, s. 12)

KU 90-100
Volume Solids: 37 ± 2%
Weight Solids: 46 ± 2%
Weight per Gallon: 9.59 lb/gal
Flash Point: N/A

Semi-Gloss Extra White B66W00351

(may vary by base)

VOC (less exempt solvent) 193 g/L - 1.61 lb/gal
 (as per 40 CFR 59.406 and SOR/2009-264, s. 12)

KU 75-85
Volume Solids: 39 ± 2%
Weight Solids: 50 ± 2%
Weight per Gallon: 9.91 lb/gal
Flash Point: N/A

SPECIFICATIONS

Color: Extra White & Clear Tint Base-wide range of colors available
Recommended Spread Rate per coat: **Gloss Extra White B66W00311** (may vary by base)
 wet mils: 6.0 - 10.0
 dry mils: 2.2 - 3.7
 coverage: 270 - 160 sq ft/gal approximate
Theoretical coverage: 593 sq ft/gal @ 1 mil dry

Drying Schedule @ 7.0 mils wet, 50% RH:

	@ 50°F/10°C	@ 77°F/25°C	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

RECOMMENDED SYSTEMS

Steel & Rusted Galvanized, acrylic primer:

1ct. Pro Industrial Pro-Cryl Primer
 2cts. Sher-Cryl HPA

Steel alkyd or zinc primer:

1ct. Kem Bond HS
 Or

1ct. Zinc Clad XI
 2cts. Sher-Cryl HPA

Steel:

2cts. Sher-Cryl HPA

Aluminum & Galvanized Metal:

2cts. Sher-Cryl HPA

Concrete Block:

1ct. Pro Industrial Heavy Duty Block Filler
 2cts. Sher-Cryl HPA

Poured Concrete Walls, Interior:

1ct. Loxon Concrete and Masonry Primer
 2cts. Sher-Cryl HPA

Prefinished Siding (baked-on finishes):

1ct. DTM Bonding Primer

2cts. Sher-Cryl HPA

Previously Painted:

2cts. Sher-Cryl HPA

Wood, Exterior:

1ct. Exterior Oil-Based Wood Primer

2cts. Sher-Cryl HPA

Wood, Interior:

1ct. Premium Wall & Wood Primer

2cts. Sher-Cryl HPA

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: Sher-Cryl HPA Gloss- 2cts @ 3.0 mils dft/ct (unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles,
Result: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Result: >176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Result: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
 1/8" mandrel

Result: Passes

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Result: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363

Result: 4B

Thermal Cycling:

Method: ASTM D2246, 10 cycles
Result: Pass

¹ 1 ct. Sher-Cryl HPA over 1 ct. Pro Industrial Pro-Cryl Universal Prime

Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SHER-CRYL™ HPA
HIGH PERFORMANCE ACRYLIC



SHERWIN-WILLIAMS.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Iron & Steel-Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum- Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.

Galvanized Steel- Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Block Surface. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
 Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use. Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

APPLICATION

Refer to the SDS sheet before use

Temperature: 50°F/10°C minimum
 120°F/49°C maximum
 (Air, surface, and material)
 At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions. Excessive reduction of material can affect film build, appearance, and adhesion.

Reducer Water
 R8K10 - WB Hot Weather Reducer up to 10%
Clean Up..... Soap & Water
Airless Spray
 Pressure 1500 psi
 Hose 1/4" ID
 Tip017" - .021"
 Filter 60 mesh
 Reduction Not recommended
Conventional Spray
 Gun Binks 95
 Fluid Nozzle 66
 Air Nozzle 63PB
 Atomization Pressure 50 psi
 Fluid Pressure 15-20 psi
 Reduction .As needed up to 12.5% by volume
Brush
 Brush Nylon / polyester
 Reduction Not recommended
Roller
 Cover 3/8" woven solvent resistant core
 Reduction Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 12/04/2017 B66W00311 21 195
 HOTW 12/04/2017 B66W00351 20 193
 FRC,SP, KOR

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PRO

INDUSTRIAL™

113.05A

PRO-CRYL®
UNIVERSAL PRIMER



B66W01310 Off White
B66A01320 Medium Grey
B66N01310 Red Oxide

As of 04/17/2017, Complies with:			
OTC	Yes	LEED®09 NC.CI	Yes
OTC Phase II	Yes	LEED®09 CS	Yes
SCAQMD	Yes	LEED®09 H&S	Yes
CARB	Yes	LEED®v4 Emissions	Yes
CARB SCM 2007	Yes	LEED®v4 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel, Galvanized & Aluminum
- Wood

Color: Off White,
Recommended Spread Rate per coat:
Wet mils: 5.0 - 10.0
Dry mils: 1.9 - 3.8
~Coverage: 160 - 320 sq ft/gal

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 6.0 mils wet 50% RH:

	40°F	77°F	120°F
To touch:	2 hrs	40 min	20 min
Tack free:	8 hrs	2 hrs	1 hr
To recoat:	16 hrs	4 hrs	2 hrs

Drying time is temperature, humidity, and film thickness dependent.

Finish: Low sheen

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting: DO NOT TINT

Off White B66W01310 (may vary by color)

VOC (less exempt solvents):
<50 g/L - 0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 38% ± 2%

Weight Solids: 49% ± 2%

Weight per Gallon: 10.09 lb

RECOMMENDED SYSTEMS

Water Based Topcoat:

- 1-2 cts. Pro Industrial Acrylic Coating
- or Pro Industrial Acrylic Dryfall
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Epoxy
- or Pro Industrial Water Based Acrolon 100
- or Pro Industrial Water Base Alkyd Urethane
- or Pro Industrial Water Based Catalyzed Epoxy
- or Sherwin-Williams Architectural Coatings

Solvent Based Topcoat:

- 1-2 cts. Pro Industrial High Performance Epoxy
- or Pro Industrial Urethane Alkyd

The systems listed above are representative of the product's use, other systems may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
1 ct. Pro Industrial Pro-Cryl Universal Off White Primer
1 ct. Pro Industrial Acrylic Coating

Adhesion:

Method: ASTM D4541
Result: 500 psi

Moisture Condensation Resistance:

Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Corrosion Weathering:

Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Pencil Hardness:

Method: ASTM D3363
Result: B

Direct Impact Resistance:

Method: ASTM D2794
Result: >140 in. lbs.

Salt Fog Resistance:

Method: ASTM B117, 1250 hours
Result: Passes

Dry Heat Resistance:

Method: ASTM D2485
Result: 200°F

Provides performance comparable to products formulated to federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

Flexibility:

Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes



SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron and Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Self priming.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
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PERFORMANCE TIPS

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.
 No painting should be done immediately after a rain or during foggy weather.
 When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.
 For optimal performance, this primer should be topcoated.
 For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

APPLICATION

Refer to the SDS before using
Temperature: 40°F minimum
 120°F maximum
 (air, surface, and material)
 At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray

Pressure2000 psi
 Hose 1/4" ID
 Tip015" - .019"
 Filter 60 mesh
 ReductionNot recommended

Conventional Spray

Gun Binks 95
 Fluid Nozzle..... 66
 Air Nozzle 63PB
 Atomization Pressure60 psi
 Fluid Pressure25 psi
 Reduction as needed up to 5% by volume

Brush Nylon/Polyester
 ReductionNot recommended

Roller3/8" woven
 Reduction as needed up to 5% by volume

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and splatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 04/17/2017 B66W01310 01 39

KOR, FRC,SP

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KEM KROMIK[®]

UNIVERSAL METAL PRIMER

B50NZ0006 BROWN
B50WZ0001 OFF WHITE
B50AZ0006 GRAY

As of 01/16/2018, Complies with:			
OTC	No	LEED [®] 09 NC, CI	No
OTC Phase II	No	LEED [®] 09 CS	No
SCAQMD	No	LEED [®] 09 S	No
CARB	No	LEED [®] v4 Emissions	No
CARB SCM 2007	No	LEED [®] v4 VOC	No
Canada	No	MPI	Yes

CHARACTERISTICS

KEM KROMIK UNIVERSAL METAL PRIMER is a rust inhibiting, modified phenolic alkyd resin primer designed for use over iron and steel substrates. Can be used as a universal primer under high performance topcoats. Suitable as a barrier coat over conventional coatings which would normally be attacked by strong solvents in high performance coatings.

Features:

- High film build to protect sand blasted steel
- Corrosion resistant
- Universal, can be topcoated with epoxies and urethanes
- Exterior/interior metal primer
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel

Recommended for use in:

- Shopcoat primer
- Maintenance primer
- Structural steel
- Machinery
- Marine vessels
- Barrier coating
- Hand rail
- Storage tanks
- Bar joists
- Steel pipe

Tinting: **DO NOT TINT**
Shelf Life: 36 months, unopened
Finish: Flat

White B50WZ0001 (may vary by base)

VOC(less exempt solvents) 389 g/L - 3.24 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 55 ± 2%
Weight Solids: 75 ± 2%
Weight per Gallon: 12.86 lb/gal ± .2 lb
Flash Point: 80°F PMCC

Brown B50NZ0006 (may vary by base)

VOC(less exempt solvents) 409 g/L - 3.24 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 53 ± 2%
Weight Solids: 73 ± 2%
Weight per Gallon: 12.62 lb/gal ± .2 lb
Flash Point: 80°F PMCC

SPECIFICATIONS

Color: White, Brown & Gray

Recommended Spread Rate per coat: White B50WZ0001 (varies by base)

wet mils: 6.0 - 8.0
dry mils: 3.3 - 4.4
coverage: 267 - 200 sq ft/gal approximate

Theoretical coverage: 882 sq ft/gal @ 1 mil dry

Drying Schedule @ 6.0 mils wet, 50% RH:

	@ 40°F/4.5°C	@ 77°F/25°C	@ 110°F/43°C
To touch:	2 hours	30 minutes	15 minutes
Tack handle:	2.5 hours	1 hours	20 minutes
To recoat: with itself & alkyds	2.5 hours	1 hours	45 minutes
To recoat:*	36 hours	16 hours	16 hours
To cure:	7 days	7 days	7 days

* Recoat with hot solvents or high performance coatings. For maximum adhesion, acrylic topcoats require 48 - 72 hours drying of primer. Drying and recoat times are temperature, humidity, and film thickness dependent.

RECOMMENDED SYSTEMS

Steel:

1ct. Kem Kromik Universal Primer
1-2 cts. Topcoat

Acceptable Topcoats:

Acrolon 218 HS Polyurethane
Hi-Solids Polyurethane
Industrial Enamel
Macropoxy HS Epoxy
Metalatex Semi-Gloss Enamel
Pro Industrial Acrylic
Pro Industrial DTM Acrylic
Pro Industrial Waterbased Epoxy

Pro Industrial Waterbased Alkyd-Urethane

Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy & Urethane
Pro Industrial Urethane Alkyd Enamel
Pro Industrial Waterbased Acrolon 100
Sher-Cryl
Silver-Brite Aluminum
Steel Master 9500
Tile-Clad HS Epoxy

The systems listed above are representative of the product's use, other systems may be appropriate. Other topcoats may be appropriate.

System: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP6/NACE 3

Primer: 1ct. Kem Kromik Universal Metal Primer, @ 3.0 - 4.4 mils df/ct.

Adhesion¹:

Method: ASTM D3359
Result: 4B

Corrosion Resistance¹:

Method: ASTM D5894, 1008
Result: Pass

Dry Heat Resistance:

Method: ASTM D2485
Result: 200°F

Flexibility¹:

Method: ASTM D522,
1/4" mandrel
Result: Pass

Fineness of grind²:

Method: Hegman
Result: 4 Hegman minimum

Sag Test²:

Method: ASTM D4400
Result: 12 mils minimum

Viscosity²:

84-94 KU

Water Resistance¹:

Result: Pass

¹ 1ct. Kem Kromik Primer 4.5-5 WFT² Standard test based on Certificate of Analysis



KEM KROMIK® UNIVERSAL METAL PRIMER

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Iron & Steel- Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Other substrates may or may not be appropriate. If a specific substrate is not listed above, consult your Sherwin-Williams representative for more information.

As a "Barrier" Coat - If it is necessary to topcoat a previously painted surface with chemically resistant or strong solvent topcoats, Kem Kromik Universal Metal Primer can be used as a barrier coat to help reduce lifting. Apply a coat of Kem Kromik Universal Metal Primer to a small area to test for adhesion or bleeding. If there is evidence of either poor adhesion or bleeding, clean surface to bare steel and apply recommended system.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use. Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Not recommended for immersion service or exposure to acids, alkalis, or strong solvents. Intimate contact with the steel surface and primer is necessary for adequate rust inhibition and adhesion. For maximum adhesion, acrylic topcoats require 48 - 72 hours drying of primer.

APPLICATION

Refer to the SDS sheet before use

Temperature: 40°F(4.5°C) minimum
120°F(49°C) maximum
(Air, surface, and material)
At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer Not recommended
Clean Up Xylene,R2K4

Airless Spray
Pressure 1800-3000 psi
Hose 1/4" ID
Tip015-.019"
Filter 60 mesh

Conventional Spray
Gun..... Binks 95
Fluid Nozzle..... 63C
Air Nozzle 63PB
Atomization Pressure 50 PSI
Fluid Pressure 15-20 PSI

Brush Natural Bristle

Roll.... 3/8" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted

CLEANUP INFORMATION

Clean spills, splatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW 01/16/2018 B50NZ0006 38 409
HOTW 01/16/2018 B50WZ0001 39 389
HOTW 01/16/2018 B50AZ0006 20 386

SP

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PRO INDUSTRIAL™

113.11

URETHANE ALKYD ENAMEL

B54W00151 Extra White
B54T00154 Ultradeep Base
B54B00155 Black
B54R00158 Safety Red
B54Y00157 Safety Yellow

As of 05/12/2017. Complies with:			
OTC	Yes	LEED® 09 NC CI	No
OTC Phase II	No	LEED® 09 CS	No
SCAQMD	No	LEED® 09 H	No
CARB	No	LEED® v4 Emissions	No
CARB SCM 2007	No	LEED® v4 VOC	No
Canada	Yes	MPI	

CHARACTERISTICS

Pro Industrial Urethane Alkyd Enamel is a high gloss coating intended for interior/exterior use in industrial environments. It is easy to brush, roll or spray. Provides performance comparable to silicone alkyds.

- Modified with urethane resin for increased exterior durability
- Resistant to chipping and flaking
- Resists premature yellowing compared to conventional alkyds
- Abrasion resistance
- Appropriate for interior and exterior applications
- Excellent application characteristics
- Suitable for use in USDA inspected facilities

Color: Most Colors
Recommended Spread Rate per coat:
Wet mils: 3.5 - 7.0
Dry mils: 2.0 - 4.0
Coverage: ~231 - 462 sq ft/gal

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 4.0 mils wet 50% RH:

	45°F	77°F	120°F
To touch:	4 hrs	2½ hrs	30 min
Tack free:	10 hrs	4 hrs	2 hrs
To recoat:	36 hrs	18 hrs	8 hrs
To cure:	7 days	7 days	5 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: 75°+@60° Gloss

Flash Point: 103°F, TCC

Shelf Life:
36 months, unopened extra white & ultradeep.
12 months package colors. Store indoors at 40°F to 100°F.

Tinting with Blend-A-Color or MaxiToner:

Base	oz/gal	Strength
Extra White	0-6	100%
Ultradeep	4-12	100%

B54W00151 (may vary by color)

VOC (less exempt solvents): Unreduced:
326 g/L - 2.72 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 58% ± 2%

Weight Solids: 72% ± 2%

Weight per Gallon: 9.75 lb

RECOMMENDED SYSTEMS

Steel (alkyd primer):

1 ct. Kem Bond HS Primer
1-2 cts. Pro Industrial Urethane Alkyd

Aluminum:

1 ct. DTM Wash Primer
1-2 cts. Pro Industrial Urethane Alkyd

Galvanized Metal:

1 ct. Galvite HS
1-2 cts. Pro Industrial Urethane Alkyd

Concrete Block:

1 ct. Heavy Duty Block Filler
1-2 cts. Pro Industrial Urethane Alkyd

Interior Plaster and Poured Concrete:

1 ct. Loxon Concrete & Masonry Primer
1-2 cts. Pro Industrial Urethane Alkyd

Drywall:

1 ct. ProMar 200 Zero VOC Latex Primer
1-2 cts. Pro Industrial Urethane Alkyd

Wood Floors (Foot Traffic):

1-2 cts. Pro Industrial Urethane Alkyd

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
1 ct. Kem Bond HS Primer
1 ct. Pro Industrial Urethane Alkyd Enamel

Abrasion

Method: ASTM D4060, C517 wheel, 1000 cycles, 1 kg load
Result: 175 mg loss

Adhesion

Method: ASTM D4541
Result: 392 psi

Direct Impact Resistance

Method: ASTM D2794
Result: 60 in. lbs.

Dry Heat Resistance

Method: ASTM D2485
Result: 200°F (93°C) (discolors)

Flexibility

Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

Humidity Resistance

Method: ASTM D4548, 500 hours
Result: Rating 10 per ASTM D610 for Rusting; Rating 10 per ASTM D714 for Blistering

Pencil Hardness

Method: ASTM D3363
Result: B

Salt Fog Resistance

Method: ASTM B117, 500 hours
Result: Rating 10 per ASTM D610 for Rusting; Rating 10 per ASTM

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum (Untreated) - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

Galvanized Steel (Untreated) - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Primer required. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Masonry and Concrete—For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Laitance must be removed. Brick must be allowed to weather for one year prior to surface preparation and painting. Primer required.

Wood - Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY.**

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

APPLICATION

Refer to the SDS before using
Temperature: 40°F minimum
 120°F maximum
 (air, surface, and material)
 At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer/Clean Up
 Mineral Spirits, R1K4* or Xylene, R2K4

Airless Spray
 Pressure 1800 psi minimum
 Hose 3/8" ID
 Tip017" - .019"
 Filter 60 - 100 mesh
 Reduction As needed up to 10% by volume

Conventional Spray
 Gun Binks 95
 Fluid Nozzle 66
 Air Nozzle 63PB
 Atomization Pressure 50 psi
 Fluid Pressure 20-25 psi
 Reduction As needed up to 10% by volume

Brush
 Brush Natural Bristle
 Reduction As needed up to 10% by volume
Roller
 Cover
 1/4 - 3/8" lambswool or synthetic cover
 Reduction As needed up to 10% by volume

* To maintain VOC compliance of 340 g/l, only a 2% reduction of Mineral Spirits, R1K4 is allowed.

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW B54W00151 05/12/2017 17 326
 FRC, SP

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109.31

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)

As of 03/01/2017, Complies with:			
OTC	Yes	LEED® 09 CI	No
OTC Phase II	No	LEED® 09 NC	No
SCAQMD	No	LEED® 09 CS	No
CARB	Yes	LEED® V4 Emissions	No
CARB SCM2007	No	LEED® V4 VOC	No
Canada	Yes	MPI®	Yes

DESCRIPTION	CHARACTERISTICS	SURFACE PREPARATION
<p>Exterior Oil-Based Wood Primer is designed for blocking tannin, water, and other stains on exterior wood, manufactured siding, hardboard, rough sawn siding, and trim as a spot primer or overall primer.</p> <ul style="list-style-type: none"> Penetrates and seals bare wood for strong adhesion and a long lasting finish Blocks stains from water, wood tannins and knots Resists mildew <p>For use on these surfaces:</p> <ul style="list-style-type: none"> Pine Fir Cedar Redwood Oak Maple Ash Hardboard Primed Metal Previously Painted Surfaces <p>Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>	<p>Color: White</p> <p>Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 2.3 mils dry</p> <p>Drying Time, @ 50% RH: @ 35-45°F @ 45°F+</p> <p>Touch: 4-8 hours 2-4 hours Recoat: 24-48 hours 24 hours</p> <p><small>Drying and recoat times are temperature, humidity and film thickness dependent.</small></p> <p>Flash Point: 115°F, PMCC</p> <p>Finish: 0-18 units @ 85°</p> <p>Vehicle Type: Alkyd</p> <p>Y24W08020</p> <p>VOC (less exempt solvents): 317 g/L; 2.64 lb/gal <small>As per 40 CFR 59.406 and SOR/2009-264, s.12</small></p> <p>Volume Solids: 59 ± 2%</p> <p>Weight Solids: 77 ± 2%</p> <p>Weight per Gallon: 11.42 lb</p> <p>WVP Perms (US) 2.7 grains/(hr ft² in Hg)</p> <p>Tinting Requires Blend-A-Color Toner for tinting. For best color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of Blend-A-Color Toner can be used to approximate the topcoat color. Check color before use.</p> <p>When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.</p> <p>For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.</p>	<p>WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.</p> <p>Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.</p> <p>Seal stains from water, smoke, ink, pencil, grease, etc. with an appropriate primer sealer.</p> <p>Wood, Composition Board - Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Spot prime knots and sap streaks.</p> <p>On woods that present potential tannin bleeding, such as redwood and cedar, Exterior Oil-Based Wood Primer can be used. Care must be taken to determine if tannins will be activated by the solvent in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Latex Wood Primer.</p>



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109.31

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)

<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>	<u>CAUTIONS</u>
<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.</p> <p>Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p>Caulking Fill gaps between windows, doors, trim, and other through-wall openings with the appropriate caulk after priming the surface.</p>	<p>Apply at temperatures above 35°F. No reduction necessary.</p> <p>Brush Use a natural bristle brush</p> <p>Roller Use a 3/8" - 3/4" nap synthetic cover</p> <p>Airless Spray Pressure2000 psi Tip..... .019"-.021"</p> <p><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, and tools immediately with compliant clean up solvent. Follow manufacturer's safety recommendations when using solvents.</p> <p>DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.</p>	<p>For exterior use only. Non-photochemically reactive. Not for use on horizontal surfaces, such as a roof, deck, or floor, or where water may collect.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/01/2017 Y24W08020 34 317 FRC</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>



**SHERWIN
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RESILIENCE®
Exterior Latex Gloss

- K44W00050 Super White
- K44W00051 Extra White
- K44W00053 Deep Base
- K44T00054 Ultradeep Base
- K44Y00056 Light Yellow
- K44R00058 Primary Red
- K44Y00057 Vivid Yellow

As of 11/29/2017, Complies with:			
OTC	Yes	LEED® 09 NC CI	N/A
OTC Phase II	Yes	LEED® 09 CS	N/A
SCAQMD	Yes	LEED® v4 Emissions	N/A
CARB	Yes	LEED® v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>	<u>SURFACE PREPARATION</u>																					
<p>Resilience Exterior is a high quality exterior finish with MoistureGuard™ Technology for excellent early moisture resistance. This product, which has improved resistance to early dirt pick up, is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.</p> <p>VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.</p> <p>Color: Most colors To optimize hide and color development, always use the recommended P-Shadow primer</p> <p>Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.6 mils dry</p> <p>Drying Time, @ 50% RH: @ 35-45°F @ 45°F + Touch: 2 hour 2 hours Recoat: 24-48 hours 4 hours</p> <p>Drying and recoat times are temperature, humidity, and film thickness dependent</p> <p>Finish: 35-45 units @ 60°</p> <p>Tinting with CCE:</p> <table border="0"> <tr> <td>Base</td> <td>oz/gal</td> <td>Strength</td> </tr> <tr> <td>Extra White</td> <td>0-7</td> <td>Sher-Color</td> </tr> <tr> <td>Deep Base</td> <td>4-12</td> <td>Sher-Color</td> </tr> <tr> <td>Ultradeep</td> <td>10 -12</td> <td>Sher-Color</td> </tr> <tr> <td>Light Yellow</td> <td>0-12</td> <td>Sher-Color</td> </tr> <tr> <td>Primary Red</td> <td>0-12</td> <td>Sher-Color</td> </tr> <tr> <td>Vivid Yellow</td> <td>0-12</td> <td>Sher-Color</td> </tr> </table> <p>Extra White K44W00051 (may vary by base)</p> <p>VOC (less exempt solvents): <50 g/L; <0.42 lb/gal As per 40 CFR 59.406 and SOR/2009-264, s.12</p> <p>Volume Solids: 39 ± 2%</p> <p>Weight Solids: 50 ± 2%</p> <p>Weight per Gallon: 10.10 lb</p> <p>Flash Point: N/A</p> <p>Vehicle Type: 100% Acrylic</p> <p>WVP Perms (US) 17.42 grains/(hr ft² in Hg)</p> <p>Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>	Base	oz/gal	Strength	Extra White	0-7	Sher-Color	Deep Base	4-12	Sher-Color	Ultradeep	10 -12	Sher-Color	Light Yellow	0-12	Sher-Color	Primary Red	0-12	Sher-Color	Vivid Yellow	0-12	Sher-Color	<p>Aluminum & Aluminum Siding¹ 2 cts. Resilience Exterior Latex</p> <p>Concrete Block, CMU, Split face Block 1 ct. Loxon Block Surfacer 2 cts. Resilience Exterior Latex</p> <p>Brick 1 ct. Loxon Conditioner² 2 cts. Resilience Exterior Latex</p> <p>Cement Composition Siding/Panels 1 ct. Loxon Concrete & Masonry Primer/Sealer² or Loxon Conditioner² 2 cts. Resilience Exterior Latex</p> <p>Galvanized Steel¹ 2 cts. Resilience Exterior Latex</p> <p>Stucco, Cement, Concrete 1 ct. Loxon Concrete & Masonry Primer/Sealer² 2 cts. Resilience Exterior Latex</p> <p>Plywood 1 ct. Exterior Latex Wood Primer 2 cts. Resilience Exterior Latex</p> <p>Steel¹ 1 ct. All Surface Enamel Primer² 2 cts. Resilience Exterior Latex</p> <p>Vinyl Siding* 2 cts. Resilience Exterior Latex</p> <p>Wood, Composition Board 1 ct. Exterior Oil-Based Wood Primer 2 cts. Resilience Exterior Latex</p> <p>¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher. ² Not for use at temperatures under 50° F. See specific primer label for that product's application conditions.</p> <p>Other primers may be appropriate.</p> <p>When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.</p>	<p>WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.</p> <p>Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.</p> <p>Aluminum and Galvanized Steel Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.</p> <p>Cement Composition Siding/Panels Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer/Sealer.</p> <p>Caulking Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.</p>
Base	oz/gal	Strength																					
Extra White	0-7	Sher-Color																					
Deep Base	4-12	Sher-Color																					
Ultradeep	10 -12	Sher-Color																					
Light Yellow	0-12	Sher-Color																					
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RESILIENCE®

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- K44W00050 Super White
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- K44Y00057 Vivid Yellow

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, Cement, Block All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p>Steel Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Stucco Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p>*Vinyl or other PVC Building Products Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p> <p>Wood, Plywood, Composition Board Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.</p>	<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 1-1½ hours. Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours. No reduction necessary.</p> <p>Brush - Use a nylon/polyester brush. Roller - Use a 3/8" - 3/4" nap synthetic cover. Spray—Airless Pressure..... 2000 psi Tip015"-.017"</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 11/29/2017 K44W00051 26 30 Viet, FRC, SP, KOR</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>