

# RIVERBANKS ZOO & GARDEN

Procurement Services  
400 Rivermont Drive, Columbia, SC 29210  
Phone: 803-602-0831 Fax: 803-771-8722

## INVITATION FOR BIDS- RESTROOM REMODEL

BID NUMBER: **B2021-11-20**

DATE: **11/15/2022**

OPENING DATE AND TIME: **December 2, 2022**

OPENING LOCATION: Riverbanks Zoo & Garden  
Procurement Services  
400 Rivermont Drive  
Columbia, SC 29210

MAILING ADDRESS: Riverbanks Zoo & Garden  
Attn: Raymond Brindle  
400 Rivermont Drive  
Columbia, SC 29210

PROCUREMENT FOR: **Restroom Remodel**

**Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline will be immediately disqualified. The District assumes no responsibility for delivery of bids which are mailed. Oral, telephonic, electronic or telegraphic bids are invalid and will not receive consideration.**

**IT IS REQUIRED THAT THE BID NUMBER BE SHOWN ON THE OUTSIDE OF ENVELOPE.**

**DIRECT ALL INQUIRES TO: Raymond Brindle, Procurement Manager, 803-602-0831,  
[rbrindle@riverbanks.org](mailto:rbrindle@riverbanks.org)**

## KEY EVENTS / DATES

- |                                 |                                    |
|---------------------------------|------------------------------------|
| 1. Advertisement / Posting Date | November 15, 2022                  |
| 2. Mandatory Site Visit         | November 18, 2022, 10:00 AM (EST.) |
| 3. Deadline for Questions       | November 22, 2022, 5:00 PM (EST.)  |
| 4. Bids Due                     | December 2, 2022, 2:00 PM (EST.)   |

**NOTICE TO BIDDERS: There will be a Mandatory Site Visit on November 18, 2022, at 10:00 AM (EST.) at Riverbanks Zoo & Garden, 1201 Seminole Drive, West Columbia, SC 29169.** Due to the importance of all bidders having a clear understanding of the scope and requirements for this project, *attendance at this meeting will be mandatory.* Any changes that may be agreed upon as a result of this conference will be noted in an amendment to the bid invitation and posted on the Riverbanks Zoo and Garden procurement page. Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract. All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. Richland-Lexington Riverbanks Park District DBA Riverbanks Zoo & Garden (hereinafter known as “the District”) shall not be legally bound by any amendment or interpretation that is not in writing.

**"NO BID" RESPONSE FORM**

To submit a *"No Bid"* response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced.

**Note:** Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your *"No Bid"* response --

Specifications are restrictive, i.e. geared toward one brand or manufacturer only (explain below).

Specifications are ambiguous (explain below).

We are unable to meet specifications.

Insufficient time to respond to the solicitation.

Our schedule would not permit us to perform.

We are unable to meet bond requirements.

We are unable to meet insurance requirements.

We do not offer this product or service.

Remove us from your vendor list for this commodity/service.

Other (specify below).

*Comments:*

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\_\_\_\_\_  
Company Name (as registered with the IRS)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Correspondence Address

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Title

\_\_\_\_\_  
E-mail Address (Please Print)

\_\_\_\_\_  
Date

\_\_\_\_\_/\_\_\_\_\_  
Telephone Fax

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**INSTRUCTIONS TO BIDDERS**

1. Only one copy of bid invitation is required, unless otherwise stated.
2. Bids, amendments thereto or withdrawal request must be received by the time advertised for bid openings to be timely filed. It is the vendor's sole responsibility to ensure that these documents are received by the Procurement Office at or before the time indicated in the bid document.
3. When specifications or descriptive papers are submitted with the bid invitation, enter bidder's name thereon.
4. Submit your signed bid on the forms provided. Show bid number on envelope as instructed. The District assumes no responsibility for unmarked or improperly marked envelopes. Unsigned bids will be rejected.
5. 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 30-4-4C Code of Laws of South Carolina, 1976, (1986 Cum Supp) Freedom of Information Act. The District reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the District or its agents for its determination in this regard.
6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.
7. This solicitation does not commit the District to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services listed herein.
8. CORRECTION OF ERRORS ON THE BID FORM: All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after specified time for opening.
9. BIDDERS SCHEDULE: Enter the manufacturer, brand, and model/catalog number, as applicable, and your bid price in the space provided on the bidder's schedule. Additional pages may be attached, when applicable, for alternates, etc.
10. NOTIFICATION: Intent to Award and/or Statement of Award will be posted on the Riverbanks Zoo & Garden website at <http://www.riverbanks.org/procurement>
11. RIGHT TO PROTEST: (does not apply to procurements \$1-\$50,000) Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Procurement Manager within ten (10) calendar days of the date of issuance of the Invitation to Bid, Requests for Proposals or other solicitation documents, whichever is applicable, or any amendments thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the Procurement Manager within ten (10) calendar days of the notification of Intent to Award or Statement of Award.
12. PROTEST PROCEDURE: A protest shall be in writing, submitted to the Procurement Manager, and shall set forth the specific grounds of the protest with enough particularity to give notice of the issues to be decided.
13. QUESTIONS REGARDING SPECIFICATIONS AND/OR THE BIDDING PROCESS:
  - To ensure fair consideration for all bidders the District prohibits any type of communications to or with any department, employee, or District official during the

solicitation process, except as provided on page one of the solicitation. This includes any communications initiated by a bidder to any District Official or employee evaluating or considering the bidder, prior to the time an award decision has been made public. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**

- Any communications between the bidder and the District shall be initiated by the Procurement Office or the appropriate District representative in order to obtain necessary information or clarification needed to develop a proper and accurate evaluation of the bid. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**
- It will be the sole responsibility of the bidder to contact the Procurement Office prior to submitting a bid to ascertain if any amendments have been issued in order to obtain all such documentation, and to return the executed documentation with their bid. All amendments will be posted on the Riverbanks Zoo & Garden website at: <http://www.riverbanks.org/procurement>

### **GENERAL PROVISIONS**

1. The District reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the District.
2. Unit prices will govern over extended prices unless otherwise stated in this bid invitation.
3. PROHIBITION OF GRATUITIES: Amended section 8-13-700 and 705 of the 1976 Code of Laws of South Carolina states: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9- 210 and Section 16-9-220."
4. BIDDERS QUALIFICATIONS: Consideration will be given only to the contractors who can produce conclusive evidence that they can meet the following requirements:
  - 4.1 Adequate capital and credit rating sufficient to complete all operations under this contract in a satisfactory manner.
  - 4.2 An efficient office force with satisfactory record in expediting delivery of materials to field force, and capable of fulfilling proper liaison service with mechanical trade.
  - 4.3 An adequate and efficient field force with extensive knowledge of all types of work involved under this contract.
  - 4.4 A record of amicable relations with labor.
  - 4.5 An adequate supply of applicable equipment in good operating condition to fulfill the contract.
5. LICENSES, PERMITS, INSURANCE, & TAXES: All costs for required licenses, permits, insurances and taxes shall be borne by the Contractor.
6. INSURANCE:
  - 6.1 The amount and types of insurance required should be reasonably commensurate with the hazards and magnitude of the undertaking, but in no event of lesser amount nor more restrictive than the limits of liability and schedule of hazards below described. Without limiting its liability under the contract agreement, the Contractor shall procure and maintain, at its expense during the life of this contract, insurance of the types in the minimum amounts stated below:

**SCHEDULE**

**WORKERS COMPENSATION**

As required by the State of South Carolina.

**COMPREHENSIVE GENERAL LIABILITY**

Premises Operations

Contractual Liability

Independent Contractors

Personal Injury

Products - Completed Operations

**AUTOMOBILE LIABILITY**

All Owned, Non-Owned, and Hired

**LIMIT**

Statutory

\$1,000,000 Single Limit

\$ 100,000 Combined

- 6.2 The Contractor's comprehensive general liability policy shall also include blanket contractual liability coverage or shall be endorsed to cover the liability assumed by the Contractor. Said insurance shall be written by a company or companies approved to do business in the State of South Carolina and acceptable to the District. Before commencing any work hereunder, certificates evidencing the maintenance of said insurance shall be furnished to the District. The District, its officials, employees and volunteers are to be covered as insured's as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contract; products and completed operations of the contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded the District, its officials, employees or volunteers. To accomplish this objective, the District shall be named as an additional insured under the Contractor's insurance as outlined above.
- 6.3 The contractor shall take out and maintain, during the life of this contract, the statutory Workmen's Compensation and Employer's Liability Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the contractor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance for all of the latter's employees to be engaged in such work.
- 6.4 Contractors insurance coverage shall be primary insurance as respects the District, it's officials, employees and volunteers. Any insurance or self-insurance maintained the District shall be in excess of the Contractor's insurance and shall not be required to contribute. To accomplish this objective, the following wording should be incorporated in the previously referenced additional insured endorsement:  
  
*Other Insurance:* This insurance is primary, and our obligations are not affected by any other insurance carried by the additional insured whether primary, excess, contingent or on an other basis.
- 6.5 Each insurance required by the District shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to Riverbanks Zoo & Garden Procurement Office.
- 6.6 Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all the requirements stated herein.
- 6.7 All certificates and endorsements must be received and approved by the District within ten (10) days after notification of award.

- 6.8 The District, its officers and employees shall be named as an “additional insured” in the Automobile and General Liability policies and it shall be stated on the Insurance Certificate with the provision that this coverage “is primary to all other coverage the District may possess”.
7. BIDDERS RESPONSIBILITY: Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.
8. AWARD CRITERIA: The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. The award can be made to one or a multiple of contractors; whichever is in the best interest of the District, or unless otherwise stated on bidders’ schedule.
- If two or more bidders are tied in price while otherwise meeting all of the required conditions, awards are determined in the following order of priority:
- 8.1 If there is a South Carolina firm tied with an out-of-state firm, the award must be made automatically to the South Carolina firm.
- 8.2 Tie bids involving South Carolina produced or manufactured products, when known, and items produced or manufactured out of the State must be resolved in favor of the South Carolina commodity.
- 8.3 Tie bids involving a business certified by the South Carolina Office of Small and Minority Business Assistance as a Minority Business Enterprise must be resolved in favor of the Minority Business Enterprise.
- 8.4 Tie bids involving South Carolina firms must be resolved in favor of the South Carolina firm located closest to the District.
- 8.5 In all other situations in which bids are tied, the award must be made to the tied bidder offering the quickest delivery time, or if the tied bidders have offered the same delivery time, the tie must be resolved by the flip of a coin witnessed by the Procurement Manager. All responding vendors must be invited to attend.
9. WAIVER: The District reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the District.
10. COMPETITION: This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested contractor to notify the Procurement Services Office in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
11. REJECTION: The District reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the District.

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**GENERAL CONDITIONS**

1. **DEFAULT:** In case of default by the contractor, the District reserves the right to purchase any or all items in default in the open market, charging the contractor with any excessive costs. Should such charge be assessed, no subsequent bids will be considered, or purchase orders issued to the defaulting contractor until the assessed charge has been satisfied.
2. **NON-APPROPRIATION:** Any contract entered into by the District resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
3. **INDEMNIFICATION:** The contractor agrees to indemnify and save harmless the District and all District officers, agents and employees from claims, suits, actions, damages and costs of every name and description, arising out of or resulting from the use of any materials furnished by the Contractor, provided that such liability is not attributable to negligence on the part of the District or failure of the District to use the materials in the manner outlined by the Contractor in descriptive literature or specifications submitted with the Contractor's bid.
4. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of this contract shall be directed to the Procurement Manager. Copies of all correspondence concerning this contract shall be sent to, 400 Rivermont Drive, Columbia, SC 29210. All change orders must be authorized in writing by the Procurement Manager. The District shall not be bound to any change in the original contract unless approved in writing by the Procurement Manager.
5. **PUBLICITY RELEASES:** Contractor agrees not to refer to award of this 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. The contractor shall not have the right to include the District's name in its published list of customers without prior approval. With regard to news releases, only the name of the project and duration of contract may be used and then only with prior approval of the District. The contractor also agrees not to publish, or cite in any form, any comments or quotes from the Riverbanks Zoo & Garden Staff unless it is a direct quote from the Public Relations Officer.
6. **QUALITY OF PRODUCT:** Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.
7. **S.C. LAW CLAUSE:** Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
8. **ASSIGNMENT:** No contract or its provisions may be assigned, sublet, or transferred without the written consent/Acknowledgement of the Procurement Manager.
9. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.

10. **BIDDING CONDITION OF PRICE:** All bid prices submitted shall remain effective for a minimum period of 90 days, or until evaluation of bids is complete and award is made unless mutual consent of parties is established to extend due to unforeseen circumstances. Thereafter, the contract prices shall remain effective for the term of the contract.
11. **8% S.C. SALES TAX:** The District shall add 8% sales tax to all orders; however lump sum bids shall include sales tax in bid price unless otherwise noted. **By submission of a signed proposal, you are certifying, under penalties of perjury that you comply with the SC Code of Laws 1976, as amended, relating to payment of any applicable taxes. This will certify to the District your compliance.**

Forms to register for all taxes administered by the South Carolina Department of Revenue may be obtained by calling the License and Registration Section at (803) 898-5872 or by writing to the South Carolina Department of Revenue, Registration Unit, Columbia, South Carolina 29214-0140.

12. **PAYMENT TERMS:** Payment will be made within thirty (30) days after acceptance of completed order/project. Early payment discount, if available, will be calculated from date of acceptance. Application for payment shall reflect services completed through the last day of the month. **There will be no exceptions to these payment terms unless approval is obtained in writing from the Procurement Manager prior to bid opening date.**
13. **BID REQUIREMENTS:** Bid requirements on the equipment/goods/services specified are not intended to be restrictive to potential bidders, but indicate the required features for satisfactory performance. The District will determine if minor deviations from these features are acceptable.
14. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Bidders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.
15. **CONTRACT:** This bid, contract and submitted documents, when properly accepted by the District along with a written purchase order, shall constitute a contract equally binding between the successful offeror, and the District. No different or additional terms will become a part of this contract with the exception of a Change Order.
16. **CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing by the Procurement Manager.
17. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. The District shall not be legally bound by any Amendment or interpretation that is not in writing.
18. **BID EVALUATION:** Bids received will be evaluated by the Procurement Manager. However, based on bid total, final decision for bid award may rest with the Richland-Lexington Riverbanks Park Commission.



Factors to be considered during the evaluation process include, but are not limited to:

18.1 - Cost.

18.2 - Reputation and dependability of the contractor

18.3 – Past performance

19. ARBITRATION: Under no circumstances and with no exception will the District act as arbitrator between the Contractor.
20. SHIPPING: All deliveries shall be shipped F.O.B. point Destination-freight prepaid, the seller pays and bears all freight charges; collect shipments will not be accepted. It is agreed by the parties hereto that delivery by the contractor to the common carrier does not constitute delivery to the District. Any claim for loss or damage shall be between the contractor and the carrier.
21. "OR APPROVED EQUAL": Certain processes, types of equipment or kinds of material are described in the specifications and/or on the drawings by means of trade/brand names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparability. However, the Owner reserves the right to select the items, which, in the judgment of the Owner, are best suited to the needs of the Owner, based on price, quality, service, availability, standardization and other relative factors. Bidders should indicate brand name, model, model number, size, type, weight, color, etc., of the item bid, if not exactly the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from the specifications, vendor should submit along with the bid, the information, data, pictures, designs, cuts, etc., of the material they plan to furnish so as to enable the Owner to compare the material specified; and, such material shall be given due consideration. The Owner reserves the right to insist upon, and receive items as specified if the submitted items do not meet the Owner's standards for acceptance.
22. ALTERNATE BIDS: Bidders wishing to submit an alternate for consideration that does not meet the District's specifications (or approved deviations), must submit their proposal as an alternate bid. **This must be properly marked on both the sealed envelope and the Bidder's Schedule and submitted separately from any other bid. Failure to comply shall be grounds for being deemed non-responsive.**
23. DRUG-FREE WORKPLACE: By submittal of this bid, you are certifying that you will comply with Title 44, Code of Laws of South Carolina, 1976, Section 44-107-30.
24. ILLEGAL IMMIGRATION & PUBLIC CONTRACTS: In accordance with the South Carolina Illegal Immigration Reform Act, [2008, Act No. 280](#). Section 3 of this Act added to [Chapter 14 to Title 8](#) of the South Carolina Code of Laws prohibits covered persons from entering into covered contracts unless the contractor agrees either (a) to verify all new employees through the federal work authorization program [and requires the same from subcontractors and sub-subcontractors] or (b) to employ only qualifying workers. Effectively, the Act also requires contractors to agree to provide any documentation required to establish either (a) that the Act does or does not apply to the contractor, subcontractor, or sub-subcontractor; or (b) that the contractor, and any subcontractor or sub-subcontractor, are in compliance with Section 3 of the Act."
25. NO CONTACT POLICY: After the date and time established for receipt of proposals by the District, any contact initiated by any offeror with any District representative, other than the Purchasing Department representative listed herein, concerning this solicitation is prohibited. Any such unauthorized contact may cause the disqualification of the offeror from this procurement transaction.

26. **TERMINATION:** Subject to the provisions below, the contract may be terminated for any reason by the District providing a 30 day advance notice in writing is given to the contractor.
- 26.1 **Termination for Cause:** Termination by the District for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provisions, termination costs, if any, shall not apply. The thirty (30) days advance written notice requirement is waived and the default provision in this bid shall apply; see General Conditions.
- 26.2 **Termination for Convenience:** The District, by written notice, may terminate this contract in whole or in part, when it is in the best interest of the District.
- 26.3 **Termination requirement does not apply** if contract is to terminate at the end of an established contract term.
- 26.4 **Termination for Nonappropriations:** If the District fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract, or if a lawful order issued in or for any fiscal year during the term of the contract reduces the funds appropriated or authorized in such amount as to preclude making the payments set out therein, the contract shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to the District. Any termination for non-appropriations shall not prohibit the District from obtaining services from another source or in another manner, which is in the best interest of the District.

## SCOPE OF WORK

### INTENT:

Riverbanks Zoo and Garden is seeking bids to contract with a vendor for the demolition and remodel of two (2) bathrooms. This will be a full renovation to include (but not limited to) plumbing, electrical, and drywall work. This project is highly visible and time sensitive and impacts the operation of the area. Therefore, the contractor should have all materials in hand prior to starting so no delays are due to material availability. **This project can only be done from Sunday, January 22, 2023 - Thursday, March 10, 2023, and must be completed on time.** Any delays must be reported to the Project Manager. See Exhibit A for product specifications and photos.

### REQUIREMENTS:

- Bidders shall refrain from direct or indirect communications promoting their qualifications for this Project to the District or any member of the Lexington-Richland Riverbanks Park Commission, other than through the formal submittal process established by this Invitation for Bid (IFB). Failure to comply with submittal requirements may cause the submittal to be removed from further consideration.
- The selected contractor must hold the required license(s) for demolition and installation of the new restrooms.
- Contractor must be bondable, a certified contractor and have personnel on site who hold the necessary OSHA required certifications to safely perform the work.
- The contractor should submit as a part of the bid package the safety program to be used on this site to ensure workplace safety.
- Contractor's site superintendent shall coordinate all activities with Zoo Project Manager to ensure the Zoo has enough notice to secure animals that have access to the exhibit.

- All deliveries must be made before 9:00 AM or after 5:00 PM est.
- Riverbanks Zoo and Garden is a smoke free facility.

**CONSIDERATIONS:**

- The area around the Bathroom will be open to the general public so deliveries, work practices, application processes and behavior of staff will be closely monitored by the Project Manager to ensure the quality of the guest environment.

**OBLIGATION:**

- Riverbanks Zoo and Garden makes no guarantees as to the correctness of the information and materials identified in this specification. It shall be the contractor's responsibility to ascertain the full extent of this job.

**REGULATIONS AND STANDARDS:**

- The work shall comply with all laws, ordinances and regulations of all legally constituted authorities having jurisdiction over any part of this work, County and State level. These requirements supplement the specifications and shall take precedence in case of conflict.
- All work shall be performed and completed in a thoroughly workmanlike and professional manner in accordance with best modern practices, regardless of any omissions from the attached specifications and/or drawings. All material and equipment shall be new and shall comply with the applicable standard in every case where such a standard has been established for the particular type of material in question.
- Safety Department to review confined space and fall protection plans specific to this project as requested. The Zoo Project Manager to final approve all aspects of the project including changes and payments.
- The Bidder shall supply for review, all SCOSHA written programs as applicable to include, but not limited to, the following OSHA standards; Walking-Working Surfaces (Fall Protection), Control of Hazardous Energy (Lockout/Tagout), Personal Protective Equipment and Permit-required Confined Spaces.

**SITE CLEAN UP:**

- The contractor shall keep the job site clean and free from an accumulation of debris or materials during the project. At the completion of the work, the entire facility and premises shall be left clean.
- The contractor shall remove from the premises all accumulations of trash and other materials, which are not to be used in the project, daily.

**CONTRACTOR'S CARE:**

- Contractor shall exercise due care in protecting all trees, property, and surrounding property. Contractor will be responsible for any damage and will be required to restore any damage. If the Contractor fails or refuses to repair any damage promptly, the Project Manager may have the necessary work performed and charge the cost thereof to the contractor.

**FINAL INSPECTION:**

- At the completion of the contract work, a representative of Riverbanks Zoo and Garden shall accompany the contractor on an inspection of the work. All defects found in the work will be corrected before final payment will be authorized.

**BIDS MUST INCLUDE**

- Solicitation name and number clearly marked on the outside of the envelope
- One hard copy and one digital (i.e. thumb drive)
- A schedule showing phases and duration
- A written introduction summarizing your company's background, resources and relevant experience.
- Three examples of past or current projects and the timelines under which they were completed
- Three references from past projects
- MBE/DBE/WBE Cultivation Plan- The owner is committed to cultivating MBE/DBE/WBE involvement in all aspects of owner's operations. Explain how your firm will cultivate MBE/DBE/WBE participation in the Roof Replacement Project.
- A single point of contact – name, title, phone and email address must be included.

**HOURS OF OPERATION:**

Riverbanks Zoo and Garden is open Monday through Sunday from 9:00 am to 5:00 pm and closed on Thanksgiving and Christmas Days.

**DISPOSAL OF WASTE:**

- The Contractor will ensure proper handling and disposal of materials removed from the containers to prevent discharges of pollutants to surface waters or groundwater.

**NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)  
REQUIREMENT:**

- Contractor shall comply with current and future requirements of the City of Columbia, City of West Columbia and State of South Carolina's NPDES permits (if any) as it may be amended from time to time.

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**Procurement Services**  
 400 Rivermont Drive, Columbia, SC 29210  
 Phone: 803-602-0831 Fax: 803-771-8722

## BIDDERS SCHEDULE

**BID NUMBER:** B2022-11-20

**DATE:** 11/15/2022

**OPENING DATE AND TIME:** December 2, 2022, 2:00 PM (EST)

**OPENING LOCATION:** Riverbanks Zoo & Garden  
 Procurement Services  
 400 Rivermont Drive  
 Columbia, SC 29210

**PROCUREMENT:** Under a fixed price contract provide all materials, equipment, and labor for the Restroom Remodel in accordance with the specifications, conditions, and provisions as applicable to this solicitation. All prices are to include all applicable transportation, recycle and disposal costs. **Submit one (1) hard copy and one (1) digital copy.**

**Delivery Requirements:** None

ITEM NUMBER	QTY U/I	DESCRIPTION MFG/MDL/STK #	PRICE
#1:	EA	Restroom Remodel (both restrooms)	

**Total Price Written** \_\_\_\_\_

COMPANY: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

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The attached Certificate of Familiarity must be returned with bid.
--

**SOLICITATION NUMBER: B2022-11-20****DATE: November 15, 2022**

<b>CERTIFICATE OF FAMILIARITY</b>
-----------------------------------

The undersigned, having fully familiarized himself with the information contained within this entire solicitation and applicable amendments, submits the attached bid and other applicable information to the District, which I verify to be true and correct to the best of my knowledge. I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid. I further certify that this bid is good for a period of ninety (90) days, unless otherwise stated.

\_\_\_\_\_  
 Company Name as registered  
 with the IRS

\_\_\_\_\_  
 Authorized Signature

\_\_\_\_\_  
 Correspondence Address

\_\_\_\_\_  
 Printed Name

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Telephone Number    Fax Number

\_\_\_\_\_  
 Remittance Address

\_\_\_\_\_  
 E-mail Address (PLEASE PRINT)

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Telephone Number

\_\_\_\_\_  
 Toll-Free Number if available

\_\_\_\_\_  
 Federal Tax ID Number

\_\_\_\_\_  
 SC Sales and Use Tax Number

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**Richland-Lexington Riverbanks Park District**

**B2022-11-20  
Restroom Remodel**

**LIST OF REFERENCES**

*Please list four (4) references that your company has recently or currently provided similar products and/or services for.*

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

COMPANY: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

## EXHIBIT A

### Product Specifications and Photos

Parts that must be used are:

Flooring and Tile

Crossville Inc Title:

- Model Numbers SHD42 11224UPS, SHD42 10624SPO, SHD46 11224UPS

Sinks:

Kohler, American Standard, or Sloan. There is no specific model (however submit product to Project Manager for approval), and they should be uniform throughout.

Faucets:

T & S

Other work includes (but not limited)

- Install can lighting
- Remove existing and install new solid surface Countertops
- Keep same interior and entrance doors but new door frame and hardware
- New wooden doors with frosted glass that lead to the courtyard
- New Wall Mirror
- New Foyer area
- Painting of ceiling: Finish SWB66W00651
- Painting of wall: SW6254
- Fire extinguisher removal and relocate
- All lighting (bulbs) must be LED
- Toilet accessories
  - Air hand dryer
  - Seat cover dispenser
  - Ss floor mounted step stool
  - Grab bar
  - Restroom signs
  - Changing station
- Plumbing
- HVAC supply and returns
- Electrical
  - Lights
  - Hand driers
  - Strobe light
- Door closers
- We want new 6 inch Can Lights LED
- No need for trash cans and soap dispensers
- New Foyer area and demo -Demo existing wall tile and backer board, demo restroom counter tops, demo toilet partitions, salvage for reinstallation by others, finish and install new backer board on existing framing, inwall blocking for new vanities/ counter tops as required

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SHERWIN-WILLIAMS®

# Product Submittal

## *Magnolia Room Restrooms*

Presented By:

**Justin Shumpert**

SALES- Sales Representative PC Multi-Segment

(803) 320-4159

[justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com)

SHERWIN-WILLIAMS  
2503 BROAD RIVER RD  
COLUMBIA, SC 29210 6646  
(803) 798-3052

November 07, 2022



**SHERWIN-WILLIAMS®**

# Product Submittal

**Project:** Magnolia Room Restrooms  
1300 Botanical Parkway, West Columbia, SC, 29169

Dear RIVERBANKS PARK COMMISSION:

Thank you for considering Sherwin-Williams products for the Magnolia Room Restrooms project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at (803) 320-4159 or e-mail me at [justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com).

**Justin Shumpert**

SALES- Sales Representative PC Multi- Segment

(803) 320-4159

[justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com)

SHERWIN-WILLIAMS

2503 BROAD RIVER RD, COLUMBIA, SC 29210 6646

## Interior Finishes

### Drywall

**Finish:** K46W01151 - PI PRECAT SG EX WH  
- Location: Sw 7005 Pure White

### Doors & Frames

**Finish:** B73W00311 - Pro Industrial Waterbased Epoxy Gloss (Part A) Extra White / Tint Base  
- Location: Sw 7005 Pure White  
*Notes: 2-part epoxy. All doors and frames need to be sanded and cleaned thoroughly.*



***SHERWIN-WILLIAMS®***

# Reference Pages

## **Data Pages**

# Pro Industrial™ Pre-Catalyzed Waterbased Epoxy Semi-Gloss

K46-1150 Series


**SHERWIN  
WILLIAMS®**

## CHARACTERISTICS

**Pro Industrial Pre-Catalyzed Waterbased Semi-Gloss Epoxy** is a single-component pre-catalyzed waterborne acrylic epoxy that offers the adhesion, durability and resistance to stains and most cleaning solvents usually characteristic of two-component waterborne acrylic epoxy products.

This product can be applied over a wide variety of primers on properly prepared interior metal, wood, masonry, plaster and drywall.

### Features:

- Interior institutional - commercial high maintenance areas
- Upgrade surfaces painted with conventional coatings
- High performance protection system with excellent adhesion
- Chemical resistant
- Institutional dining and kitchen areas, Hospitals and Schools
- Suitable for use in USDA inspected facilities

### For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, wood and drywall.

**Finish:** 50-60 units @60°  
70-80 units @85°

**Color:** Most colors

### Recommended Spreading Rate per coat:

Wet mils: 4.0  
Dry mils: 1.4  
Coverage: 389 sq.ft. per gallon  
**Theoretical Coverage:** 545 sq. ft. per gallon  
@ 1 mil dry

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

**Drying Schedule @ 4.0 mils wet, @ 50% RH:**  
Drying, and recoat times are temperature, humidity, and film thickness dependent. \* If this product dries 72 hours or longer it must be sanded before it is recoated

**@77°F**  
**To Touch:** 1 Hour  
**To Recoat:** 8 hours  
**Maximum recoat\*** 72+ hours  
**Full dry** 5-7 days

**Tinting with CCE only:** Use SherColor Formulation System

**Extra White K46W01151**  
(may vary by color)

**V.O.C. (less exempt solvents):**  
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:** 34 ± 2%  
**Weight Solids:** 48 ± 2%  
**Weight per Gallon:** 10.39 lb  
**Flash Point:** N/A  
**Vehicle Type:** Acrylic Epoxy  
**Shelf Life:** 36 months, unopened

### Mildew Resistant:

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

## COMPLIANCE

As of 07/13/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	No
MPI®	Yes

## APPLICATION

<b>Temperature:</b>	
minimum	50°F
maximum	120°F
	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

<b>Airless Spray:</b>	
Pressure	1800-2700 p.s.i.
Hose	1/4 inch I.D.
Tip	.015 - .021 inch
Filter	60 mesh
<b>Reduction</b>	Not recommended
<b>Brush</b>	Nylon-polyester
<b>Roller Cover</b>	1/4-1/2 inch woven

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Not for use on surfaces continuously wet or under water, such as bath tubs, sinks, showers, or countertops. Not for floors.

## SPECIFICATIONS

### Steel:

1 coat Pro Industrial Pro-Cryl Primer  
or Kem Bonds HS  
2 coats Pro Industrial Pre-Cat Epoxy

### Aluminum:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Pre-Cat Epoxy

### Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller  
or Loxon Acrylic Block Surfer  
2 coats Pro Industrial Pre-Cat Epoxy

### Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer  
or  
1 coat Loxon Conditioner  
2 coats Pro Industrial Pre-Cat Epoxy

### Drywall:

1 coat ProMar 200 Zero V.O.C. Primer  
1-2 coats Pro Industrial Pre-Cat Epoxy

### Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Pre-Cat Epoxy

### Wood, interior:

1 coat Premium Wall and Wood Primer  
2 coats Pro Industrial Pre-Cat Epoxy

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

# Pro Industrial™

## Pre-Catalyzed Waterbased Epoxy Semi-Gloss

### 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.**

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.

**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. Prime any bare steel within 8 hours or before flash rusting occurs.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

**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 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. 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.

**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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

**Drywall** - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Prime the area the same day as cleaned.

### SURFACE PREPARATION

**Previously Painted Surface** - 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.

**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.

### PERFORMANCE

Extra White K46W01151

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

**Surface Preparation:** SSPC-SP6

**Finish:** 1 coat Pro Industrial Pro-Cryl  
1 coat Pro Industrial Pre-Cat Epoxy

**Adhesion:** Darker colors require longer cure time for same level of adhesion

**Method:** ASTM D3359

**Result:** 4B

**Pencil Hardness:**

**Method:** ASTM D3363

**Result:** 2B

**Scrub Resistance:** with Stiff Bristle Brush and Pumice  
Scrub Media, with shim

**Method:** ASTM D2486

**Result:** 450-600 cycles

**Water Vapor Permeance (US):**

**Method:** ASTM D1653

**Result:** 17.93 grains/(hr ft<sup>2</sup> in Hg)

**Block Resistance:** 7 day cure @ 3 mils D.F.T.

**Method:** Lab assessment

**Result:** Excellent

**Chemical Resistance Rating:**

(1 hour direct exposure to dry film 28 day cure)

Distilled water room temperature-Excellent

Ethanol-Excellent

10% Acetic Acid-Excellent

25% Sodium Hydroxide-Excellent

50% Sulfuric Acid-Excellent

5% Phosphoric Acid-Excellent

10% Hydrochloric Acid-Excellent

Methanol-Excellent

\*Motor oil / Vegetable oil-Excellent

\*Mineral Spirits-Excellent

\*2 hour exposure

**Stain Resistance Rating:**

(1 hour direct exposure to dry film 4 day cure)

Mustard-Excellent

Grape Juice-Excellent

Red Crayon-Excellent

Lipstick, Red-Excellent

Ink-Limited

Coffee-Excellent

Tea-Excellent

Ketchup-Excellent

### SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) 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.

### CLEANUP INFORMATION

Clean spills, spatters, 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 07/13/2020 K46W01151 10 42

# Pro Industrial™ Water Based Catalyzed Epoxy

B73-300 Series


**SHERWIN  
WILLIAMS®**

## CHARACTERISTICS

**Pro Industrial Water Based Catalyzed Epoxy** is an interior-exterior two component polyamine epoxy topcoat. Designed for use in commercial and industrial applications.

### Features:

- It provides excellent corrosion resistance
- Abrasion resistant
- Chemical resistant
- Early moisture resistant
- Good adhesion to concrete, metal, or primed substrates
- Suitable for use in USDA inspected facilities

### For use on properly prepared:

Steel, Galvanized, Concrete and Masonry, Wood, Drywall and Previously Painted.

**Finish:** 90°+ @60° Gloss  
15-25°+ @85° Eg-Shel

**Color:** Most colors

### Recommended Spreading Rate per coat:

Wet mils: 5.0-12.0  
Dry mils: 2.0-4.9  
Coverage: sq.ft. per gallon 134-328  
**Theoretical Coverage:** 657  
sq. ft. per gallon @1 mil dry

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 Schedule @ 7.0 mils wet, @ 50% RH:

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

	@50°F	@77°F	@100°F
To touch:	1 hr.	45 min.	25 min.
To handle	5 hrs.	4 hrs.	2 hrs.
Minimum recoat:	8 hrs.	6 hrs.	3 hrs.
Maximum recoat:*	30 days	30 days	30 days
To cure	7 days	7 days	7 days
<b>Pot Life</b>	8 hrs.	5.5 hrs.	3.5 hrs.

**Sweat-In-Time** none required

**Mix Ratio:** 2 components, premeasured 4:1

\*If maximum recoat time is exceeded, abrade surface before recoating.

**Tinting with CCE only:** at 100% strength.  
Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**Extra White B73W00311/B73V00300**  
(may vary by color)

**V.O.C. (less exempt solvents):** As mixed  
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:** 41 ± 2%  
**Weight Solids:** 50 ± 2%  
**Weight per Gallon:** 9.97 lb  
**Flash Point:** N/A  
**Vehicle Type:** Polyamine Epoxy  
**Shelf Life:** Part A: 24 months  
Part B: 36 months

## COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI	Yes

## APPLICATION

**Temperature:**  
minimum 50°F  
maximum 100°F

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:**  
Pressure 2000 p.s.i.  
Hose 1/4 inch I.D.  
Tip .015-.017 inch  
Filter 60 mesh  
**Reduction** As needed up to 10% by volume  
**Brush** Nylon-polyester  
**Roller Cover** 3/8 inch woven solvent resistant core

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

Apply paint at the recommended film thickness and spreading rate as indicated. 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.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

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. No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

## SPECIFICATIONS

### Steel and Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer  
1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Concrete and Masonry:

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.

### Suitable surfacers Interior-Exterior are:

Loxon Acrylic Block Surfacers,  
Pro Industrial Heavy Duty Block Filler,  
Kem Cati-Coat HS Epoxy Filler  
Cement-Plex 875  
2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.  
1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Concrete and Masonry Smooth:

2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Drywall:

1 coat ProMar 200 Zero V.O.C. Primer  
1-2 coats Pro Industrial Water Based Epoxy

### Wood, interior:

1 coat Premium Wall and Wood Primer  
2 coats Pro Industrial Water Based Epoxy

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



# Pro Industrial

## Water Based Catalyzed Epoxy

### 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.**

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.

**Iron & Steel** - Minimum surface preparation is Power Tool Clean per SSPC-SP3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 (recommended preparation is Steam Cleaning). 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.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

**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 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. 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.

**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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

### SURFACE PREPARATION

**Previously Painted Surface** - 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.

**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.

### PERFORMANCE

Extra White B73W00361/B73V00300

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

**Surface Preparation:** SSPC-SP6

**Finish:** 1 coat Kem Bond HS

@ 3.0 mils D.F.T.

1 coat Pro Industrial Waterbased Catalyzed Epoxy

@3.7 D.F.T. 7 day cure

**Abrasion Resistance:**

**Method:** ASTM D4060, CS17 wheel

1000 cycles, 500 g load

**Result:** 32.5 mg loss

**Adhesion:**

**Method:** ASTM D4541

**Result:** 1059 p.s.i.

**Scrub Resistance:**

**Method:** based on ASTM D2486

**Result:** 8000 scrubs

**Dry Heat Resistance:**

**Method:** ASTM D2485

**Result:** 250°F

**Pencil Hardness:**

**Method:** ASTM D3363

**Result:** 6H

**WVP Perms (US):** grains/(hr ft<sup>2</sup> in Hg)

**Gloss** 12.12

**Eg-Shel** 10.04

**Chemical Resistance Rating:**

**B73W00361/B73V00300**

**(1 hour direct exposure to dry film incidental contact)**

Ammonia- Pass

10% Hydrochloric Acid- Pass

25% Sodium Hydroxide-Pass

Mineral Spirits-Pass

Motor Oil-Pass

Methyl Alcohol-Pass

Aliphatic Hydrocarbon Solvent-Pass

70% Isopropanol-Pass

Methanol-Pass

### SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) 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.

### CLEANUP INFORMATION

Clean spills, spatters, 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	08/10/2020	B73W311/B73V300	15 00
HOTW	08/10/2020	B73W313/B73V300	13 00
HOTW	08/10/2020	B73T304/B73V300	15 00

HOTW	08/10/2020	B73W361/B73V300	13 00
HOTW	08/10/2020	B73W363/B73V300	08 00
HOTW	08/10/2020	B73T364/B73V300	07 00
FRC			



SHERWIN-WILLIAMS®

# Product Submittal

## *Magnolia Room Restrooms*

Presented By:

**Justin Shumpert**

SALES- Sales Representative PC Multi-Segment

(803) 320-4159

[justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com)

SHERWIN-WILLIAMS  
2503 BROAD RIVER RD  
COLUMBIA, SC 29210 6646  
(803) 798-3052

November 14, 2022



**SHERWIN-WILLIAMS®**

# Product Submittal

**Project:** Magnolia Room Restrooms  
1300 Botanical Parkway, West Columbia, SC, 29169

Dear RIVERBANKS PARK COMMISSION:

Thank you for considering Sherwin-Williams products for the Magnolia Room Restrooms project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at (803) 320-4159 or e-mail me at [justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com).

**Justin Shumpert**

SALES- Sales Representative PC Multi- Segment

(803) 320-4159

[justin.w.shumpert@sherwin.com](mailto:justin.w.shumpert@sherwin.com)

SHERWIN-WILLIAMS

2503 BROAD RIVER RD, COLUMBIA, SC 29210 6646

## Interior Finishes

### Drywall

**Finish:** K46W01151 - PI PRECAT SG EX WH  
- Location: SW 6254 Lazy Gray

### Doors & Frames

**Finish:** B73W00311 - Pro Industrial Waterbased Epoxy Gloss (Part A) Extra White / Tint Base  
- Location: SW 6254 Lazy Gray  
*Notes: 2-part epoxy. All doors and frames need to be sanded and cleaned thoroughly.*



**SHERWIN-WILLIAMS®**

# Reference Pages

## **Data Pages**

# Pro Industrial™ Pre-Catalyzed Waterbased Epoxy Semi-Gloss

K46-1150 Series


**SHERWIN  
WILLIAMS®**

## CHARACTERISTICS

**Pro Industrial Pre-Catalyzed Waterbased Semi-Gloss Epoxy** is a single-component pre-catalyzed waterborne acrylic epoxy that offers the adhesion, durability and resistance to stains and most cleaning solvents usually characteristic of two-component waterborne acrylic epoxy products.

This product can be applied over a wide variety of primers on properly prepared interior metal, wood, masonry, plaster and drywall.

### Features:

- Interior institutional - commercial high maintenance areas
- Upgrade surfaces painted with conventional coatings
- High performance protection system with excellent adhesion
- Chemical resistant
- Institutional dining and kitchen areas, Hospitals and Schools
- Suitable for use in USDA inspected facilities

### For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, wood and drywall.

**Finish:** 50-60 units @60°  
70-80 units @85°

**Color:** Most colors

### Recommended Spreading Rate per coat:

Wet mils: 4.0  
Dry mils: 1.4  
Coverage: 389 sq.ft. per gallon  
**Theoretical Coverage:** 545 sq. ft. per gallon  
@ 1 mil dry

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

**Drying Schedule @ 4.0 mils wet, @ 50% RH:**  
Drying, and recoat times are temperature, humidity, and film thickness dependent. \* If this product dries 72 hours or longer it must be sanded before it is recoated

**@77°F**  
**To Touch:** 1 Hour  
**To Recoat:** 8 hours  
**Maximum recoat\*** 72+ hours  
**Full dry** 5-7 days

**Tinting with CCE only:** Use SherColor Formulation System

**Extra White K46W01151**  
(may vary by color)

**V.O.C. (less exempt solvents):**  
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:** 34 ± 2%  
**Weight Solids:** 48 ± 2%  
**Weight per Gallon:** 10.39 lb  
**Flash Point:** N/A  
**Vehicle Type:** Acrylic Epoxy  
**Shelf Life:** 36 months, unopened

### Mildew Resistant:

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

## COMPLIANCE

As of 07/13/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	No
MPI®	Yes

## APPLICATION

<b>Temperature:</b>	
minimum	50°F
maximum	120°F
	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

<b>Airless Spray:</b>	
Pressure	1800-2700 p.s.i.
Hose	1/4 inch I.D.
Tip	.015 - .021 inch
Filter	60 mesh
<b>Reduction</b>	Not recommended
<b>Brush</b>	Nylon-polyester
<b>Roller Cover</b>	1/4-1/2 inch woven

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Not for use on surfaces continuously wet or under water, such as bath tubs, sinks, showers, or countertops. Not for floors.

## SPECIFICATIONS

### Steel:

1 coat Pro Industrial Pro-Cryl Primer  
or Kem Bonds HS  
2 coats Pro Industrial Pre-Cat Epoxy

### Aluminum:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Pre-Cat Epoxy

### Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller  
or Loxon Acrylic Block Surfacers  
2 coats Pro Industrial Pre-Cat Epoxy

### Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer  
or  
1 coat Loxon Conditioner  
2 coats Pro Industrial Pre-Cat Epoxy

### Drywall:

1 coat ProMar 200 Zero V.O.C. Primer  
1-2 coats Pro Industrial Pre-Cat Epoxy

### Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Pre-Cat Epoxy

### Wood, interior:

1 coat Premium Wall and Wood Primer  
2 coats Pro Industrial Pre-Cat Epoxy

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

# Pro Industrial™

## Pre-Catalyzed Waterbased Epoxy Semi-Gloss

### 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.**

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.

**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. Prime any bare steel within 8 hours or before flash rusting occurs.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

**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 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. 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.

**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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

**Drywall** - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Prime the area the same day as cleaned.

### SURFACE PREPARATION

**Previously Painted Surface** - 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.

**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.

### PERFORMANCE

Extra White K46W01151

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

**Surface Preparation:** SSPC-SP6

**Finish:** 1 coat Pro Industrial Pro-Cryl  
1 coat Pro Industrial Pre-Cat Epoxy

**Adhesion:** Darker colors require longer cure time for same level of adhesion

**Method:** ASTM D3359

**Result:** 4B

**Pencil Hardness:**

**Method:** ASTM D3363

**Result:** 2B

**Scrub Resistance:** with Stiff Bristle Brush and Pumice  
Scrub Media, with shim

**Method:** ASTM D2486

**Result:** 450-600 cycles

**Water Vapor Permeance (US):**

**Method:** ASTM D1653

**Result:** 17.93 grains/(hr ft<sup>2</sup> in Hg)

**Block Resistance:** 7 day cure @ 3 mils D.F.T.

**Method:** Lab assessment

**Result:** Excellent

**Chemical Resistance Rating:**

(1 hour direct exposure to dry film 28 day cure)

Distilled water room temperature-Excellent

Ethanol-Excellent

10% Acetic Acid-Excellent

25% Sodium Hydroxide-Excellent

50% Sulfuric Acid-Excellent

5% Phosphoric Acid-Excellent

10% Hydrochloric Acid-Excellent

Methanol-Excellent

\*Motor oil / Vegetable oil-Excellent

\*Mineral Spirits-Excellent

\*2 hour exposure

**Stain Resistance Rating:**

(1 hour direct exposure to dry film 4 day cure)

Mustard-Excellent

Grape Juice-Excellent

Red Crayon-Excellent

Lipstick, Red-Excellent

Ink-Limited

Coffee-Excellent

Tea-Excellent

Ketchup-Excellent

### SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) 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.

### CLEANUP INFORMATION

Clean spills, spatters, 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 07/13/2020 K46W01151 10 42



# Pro Industrial™ Water Based Catalyzed Epoxy

B73-300 Series


**SHERWIN  
WILLIAMS®**

## CHARACTERISTICS

**Pro Industrial Water Based Catalyzed Epoxy** is an interior-exterior two component polyamine epoxy topcoat. Designed for use in commercial and industrial applications.

### Features:

- It provides excellent corrosion resistance
- Abrasion resistant
- Chemical resistant
- Early moisture resistant
- Good adhesion to concrete, metal, or primed substrates
- Suitable for use in USDA inspected facilities

### For use on properly prepared:

Steel, Galvanized, Concrete and Masonry, Wood, Drywall and Previously Painted.

**Finish:** 90°+ @60° Gloss  
15-25°+ @85° Eg-Shel

**Color:** Most colors

### Recommended Spreading Rate per coat:

Wet mils: 5.0-12.0  
Dry mils: 2.0-4.9  
Coverage: sq.ft. per gallon 134-328  
**Theoretical Coverage:** 657  
sq. ft. per gallon @1 mil dry

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 Schedule @ 7.0 mils wet, @ 50% RH:

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

	@50°F	@77°F	@100°F
To touch:	1 hr.	45 min.	25 min.
To handle	5 hrs.	4 hrs.	2 hrs.
Minimum recoat:	8 hrs.	6 hrs.	3 hrs.
Maximum recoat:*	30 days	30 days	30 days
To cure	7 days	7 days	7 days
<b>Pot Life</b>	8 hrs.	5.5 hrs.	3.5 hrs.

**Sweat-In-Time** none required

**Mix Ratio:** 2 components, premeasured 4:1

\*If maximum recoat time is exceeded, abrade surface before recoating.

**Tinting with CCE only:** at 100% strength.  
Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**Extra White B73W00311/B73V00300**  
(may vary by color)

**V.O.C. (less exempt solvents):** As mixed  
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:** 41 ± 2%  
**Weight Solids:** 50 ± 2%  
**Weight per Gallon:** 9.97 lb  
**Flash Point:** N/A  
**Vehicle Type:** Polyamine Epoxy  
**Shelf Life:** Part A: 24 months  
Part B: 36 months

## COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI	Yes

## APPLICATION

**Temperature:**  
minimum 50°F  
maximum 100°F

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:**  
Pressure 2000 p.s.i.  
Hose 1/4 inch I.D.  
Tip .015-.017 inch  
Filter 60 mesh  
**Reduction** As needed up to 10% by volume  
**Brush** Nylon-polyester  
**Roller Cover** 3/8 inch woven solvent resistant core

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

Apply paint at the recommended film thickness and spreading rate as indicated. 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.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

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. No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

## SPECIFICATIONS

### Steel and Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer  
2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer  
1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Concrete and Masonry:

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.

### Suitable surfacers Interior-Exterior are:

Loxon Acrylic Block Surfacers,  
Pro Industrial Heavy Duty Block Filler,  
Kem Cati-Coat HS Epoxy Filler  
Cement-Plex 875  
2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.  
1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Concrete and Masonry Smooth:

2 coats Pro Industrial Water Based Epoxy

### (For high performance aesthetics exterior:)

1 coat Pro Industrial Water Based Epoxy  
1-2 coats Pro Industrial Water Base Acrolon 100

### Drywall:

1 coat ProMar 200 Zero V.O.C. Primer  
1-2 coats Pro Industrial Water Based Epoxy

### Wood, interior:

1 coat Premium Wall and Wood Primer  
2 coats Pro Industrial Water Based Epoxy

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

# Pro Industrial

## Water Based Catalyzed Epoxy

### 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.**

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.

**Iron & Steel** - Minimum surface preparation is Power Tool Clean per SSPC-SP3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 (recommended preparation is Steam Cleaning). 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.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

**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 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. 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.

**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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

### SURFACE PREPARATION

**Previously Painted Surface** - 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.

**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.

### PERFORMANCE

Extra White B73W00361/B73V00300

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

**Surface Preparation:** SSPC-SP6

**Finish:** 1 coat Kem Bond HS

@ 3.0 mils D.F.T.

1 coat Pro Industrial Waterbased Catalyzed Epoxy

@3.7 D.F.T. 7 day cure

**Abrasion Resistance:**

**Method:** ASTM D4060, CS17 wheel

1000 cycles, 500 g load

**Result:** 32.5 mg loss

**Adhesion:**

**Method:** ASTM D4541

**Result:** 1059 p.s.i.

**Scrub Resistance:**

**Method:** based on ASTM D2486

**Result:** 8000 scrubs

**Dry Heat Resistance:**

**Method:** ASTM D2485

**Result:** 250°F

**Pencil Hardness:**

**Method:** ASTM D3363

**Result:** 6H

**WVP Perms (US):** grains/(hr ft<sup>2</sup> in Hg)

**Gloss** 12.12

**Eg-Shel** 10.04

**Chemical Resistance Rating:**

**B73W00361/B73V00300**

**(1 hour direct exposure to dry film incidental contact)**

Ammonia- Pass

10% Hydrochloric Acid- Pass

25% Sodium Hydroxide-Pass

Mineral Spirits-Pass

Motor Oil-Pass

Methyl Alcohol-Pass

Aliphatic Hydrocarbon Solvent-Pass

70% Isopropanol-Pass

Methanol-Pass

### SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

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### CLEANUP INFORMATION

Clean spills, spatters, 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 08/10/2020 B73W311/B73V300 15 00

HOTW 08/10/2020 B73W313/B73V300 13 00

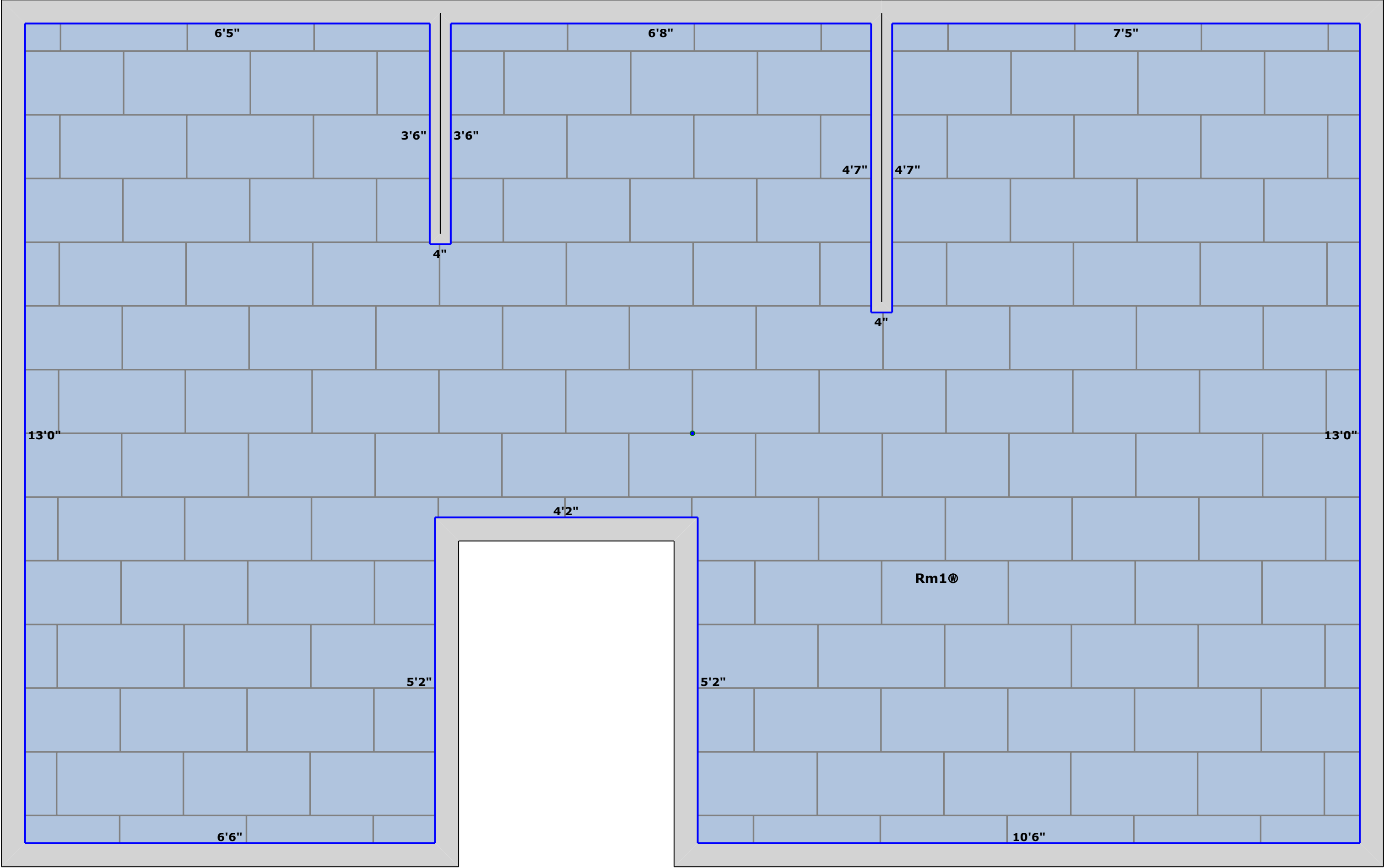
HOTW 08/10/2020 B73T304/B73V300 15 00

HOTW 08/10/2020 B73W361/B73V300 13 00

HOTW 08/10/2020 B73W363/B73V300 08 00

HOTW 08/10/2020 B73T364/B73V300 07 00

FRC



- 12x24 Grey Floor tile 12" x 24" SF, 247.07 SF (27.45 SY) (124PCs)
- 12x24 White wall tile 12" x 24" SF, 840.32 SF (93.37 SY) (421PCs)
- GrtMortar Gal, 3.986 Gal

