

BIDDING REQUIREMENTS for PURCHASING

NOTICE AND INFORMATION FOR BIDDERS

The DORMITORY AUTHORITY OF THE STATE OF NEW YORK  
("DASNY")

**Project Number** 3631509999  
**Bid Title** Repair & seal concrete floors

**Notice and Information to Bidders**

**Attachment A:** Bid Breakdown and Schedule

**Attachment B:** Detailed Specifications

**Attachment C:** Scope of Work and Site Logistics

This Notice and Information to Bidders, Attachment A: Bid Breakdown and Schedule, Attachment B: Detailed Specifications and Attachment C: Scope of Work and Site Logistics shall collectively be referred to herein as the "**Purchase Order Documents.**"

**Section 1.0 – Notice to Bidders & Bid Opening**

Sealed bids for the above referenced Bid/Project will be received by DASNY at its office located at 515 Broadway, Albany, NY 12207. Bids are due by 2:30 p.m. on (the "Bid Opening Date"). Only those bids in the hands of DASNY on or prior to the Bid Opening Date will be considered.

Each bid must be identified, on the outside of the envelope, with the name and address of the bidder and designated a bid for the Project titled above. When a sealed bid is placed inside another delivery jacket, the bid delivery jacket must be clearly marked on the outside "**BID ENCLOSED**" and "**ATTENTION: PURCHASING.**" DASNY will not be responsible for receipt of bids which do not comply with these instructions.

**Individuals and entities submitting bids in person or by private delivery services should allow sufficient time for processing through building security to assure that bids are received prior to the deadline for submitting bids.** A late bid will be returned to the sender unopened and will not be considered in issuing a purchase order.

Bids shall be publicly opened and read aloud. Bid results can be viewed at DASNY's website; <http://www.dasny.org>.

**All bid openings will be made available for viewing live via Zoom at [www.zoom.us](http://www.zoom.us). To enter the meeting, select "Join a Meeting" then enter Meeting Id 353 471 6521, Password 351895. Individuals are strongly encouraged to utilize this public viewing option as an alternative to in person attendance at bid openings.**

In accordance with State Finance Law § 139-j and § 139-k, this solicitation includes and imposes certain restrictions on communications between DASNY personnel and a prospective bidder during the procurement process. Designated staff for this solicitation is:

Email: \_\_\_\_\_ and DASNY at [purchasing@dasny.org](mailto:purchasing@dasny.org). Contacts made to other DASNY personnel regarding this procurement may disqualify the prospective bidder and affect future procurements with governmental entities in the State of New York. For more information pursuant to this law, refer to DASNY's website; <http://www.dasny.org> or the OGS website: <http://www.ogs.state.ny.us>.

# BIDDING REQUIREMENTS for PURCHASING

## NOTICE AND INFORMATION FOR BIDDERS

### Section 2.0 - Preparation of Bids

- A. Bids must be submitted on the Bid Breakdown and Schedule attached hereto as **Attachment A** in the Bidder's full legal name or the Bidder's full legal name plus any registered assumed name (the "Bidder"). Bids shall be enclosed in a sealed envelope, addressed to DASNY, and marked with the name and address of the Bidder and the Bid Number. All blank spaces for bid prices must be filled in. Conditional bids shall not be accepted. Bids shall not contain any recapitulation of the Work to be done. No oral, facsimile transmittal, electronic or telephonic bids or modifications of bids shall be considered. Bids shall contain an original signature of the Bidder in the space provided on the Bid Breakdown and Schedule.
- B. Unless otherwise noted, Bidder shall provide in the Bid Breakdown and Schedule the following information:
- a. Manufacturer & Model Number
  - b. Manufacturer's cut sheets
  - c. Construction specifications, (note Marketing materials are not specifications)
  - d. Installation specifications (if applicable)
  - e. Attachment Details (if applicable)
  - f. Warranty Information
  - g. Listing of deviations for each item, including sizes, dimensions, profiles, materials, finishes,
  - h. Construction methods and functions, on company letterhead. (if applicable)
  - i. Samples, if Requested
- C. Basis for Award: The basis for award is "GRAND TOTAL" lump sum price. Bidder shall be responsible for the complete scope of work at the "GRAND TOTAL" lump sum price.
- D. Bids that are illegible or that contain omissions, alterations, additions, or items not called for in the bidding documents may be rejected as not responsive. Any bid which modifies, limits, or restricts all or any part of such bid, other than as expressly provided for in the Purchase Order Documents, may be rejected as not responsive.
- E. DASNY may reject any bid not prepared and submitted in accordance with the provisions of the Purchase Order Documents.
- F. Any bid may be withdrawn prior to the scheduled time for the opening of bids or authorized postponement thereof and any bid received after such time and date shall not be considered.
- G. No bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof.
- H. No action or proceeding concerning in any way any bid for the Contract or the Contract shall be brought against DASNY in any location other than Albany County unless DASNY specifically consents, in writing, to a change of venue.

### Section 3.0 – Site Visit

Prospective bidders are strongly encouraged to attend. The purpose is to observe actual site conditions. A site logistics document is included in the Purchase Order Documents.

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Contact for site visit: Amparo Barrera at Amparo.Barrera@qc.cuny.edu

The site visit is scheduled is scheduled on

### Section 4.0 - Examination of the Detailed Specifications and Scope of Work and Site Logistics

- A. Prospective bidders shall examine the Detailed Specifications set forth in **Attachment B** attached hereto and the Scope of Work and Site Logistics set forth in **Attachment C** attached hereto, carefully and, before bidding, shall make a written request to DASNY's Designated Representative for an interpretation or correction of any ambiguity, inconsistency, or error therein which should be discovered by a reasonably prudent bidder. Every request for such interpretation must be received at least ten (10) days prior to the Bid Opening Date. Such interpretation or correction, as well as additional provisions DASNY shall decide to include, shall be issued in writing by DASNY as an Addendum, which shall be posted to DASNY's website. Such Addendum shall become a part of the Purchase Order Documents and shall be binding on prospective bidders whether or not the bidder receives or acknowledges the actual notice of such Addendum. Requirements of the Purchase Order Documents shall apply to Addenda.
- B. Only interpretations, corrections or additional provisions to this Notice and Information to Bidders issued in writing by DASNY as Addenda shall be binding. No officer, agent or employee of DASNY is authorized to explain or to interpret the Purchase Order Documents by any other method and any such explanation or interpretation, if given, shall not be relied upon by the bidder.
- C. Each bid shall be construed to be completely in accordance with the Purchase Order Documents unless the bidder explains all deviations in detail on a separate letterhead attached to the bid.
- D. In the Bid Breakdown and Schedule and the Detailed Specifications, the words "or equal" are understood to appear after each reference to a commodity giving manufacturer's name or catalog reference. Should "or equal" commodities not be accepted, this will be stated clearly in the Bid Breakdown and Schedule and Detailed Specifications. If bidding or proposing commodities other than those specified, the bidder must in every instance give all information required in Section 2.0 (B) of this Notice and Information for Bidders. Products will only be considered if proof of comparability is provided to DASNY in writing. A determination that a commodity or product is an "or equal" will be determined by DASNY in its sole and absolute discretion and any such determination will be final. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Bidder. Only complete submittals, as requested, will be considered and evaluated by DASNY. Failure to comply with any or all above shall result in immediate disqualification.
- E. DASNY reserves the right to award a procurement and issue a Purchase Order and/or contract, on the basis of the lowest bid for each item set forth in this Notice and Information for Bidders, on the basis of the proposal judged to be the "best value".

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- F. When bids are requested on a by-item or by-lot basis, a Bidder must designate the item or lot cost or affirmatively indicate there is no charge. Items or lots left undesignated will be determined as not being bid and such bid shall be otherwise non-responsive.
- G. The Bidder must insert the price per unit specified, and the price extension for each item in this bid if required. In the event of a discrepancy between the unit price and the extension, the unit price will govern. Prices must be extended in decimals, not fractions.
- H. Prices must be net, including transportation, delivery charges and applicable taxes fully prepaid by Bidder to the designation(s) indicated.
- I. Prices and information required by the Bid Breakdown and Schedule except the signature of the Bidder, should be typewritten or printed legibly. Submissions written in pencil may be rejected.
- J. At the time of the opening of bids, each bidder shall be presumed to have inspected the Site and to have read and to be familiar with the Purchase Order Documents. The failure or omission of any Bidder to receive or to examine any Purchase Order Document shall in no way relieve any Bidder from any obligation in respect to the bid of such Bidder.
- K. DASNY reserves the right to make awards within one hundred twenty (120) days after the date of the bid opening or proposal due date, during which period bids or proposals shall not be withdrawn.
- L. If two or more bidders submit identical bids as to price, the decision of DASNY to issue a Purchase Order and/or contract to one or more of such identical Bidders shall be made in DASNY's sole and absolute discretion and any such determination shall be final.
- M. A Purchase Order issued and/or contract awarded by DASNY shall be deemed executory only to the extent of moneys available, and no liability shall be incurred by DASNY beyond the moneys available therefore.
- N. Unless otherwise specified, the quantities listed in the Bid Breakdown and Schedule are subject to change to conform with DASNY requirements. The quantities listed are estimated only and the Purchase Order shall be for the quantities actually ordered.
- O. Unless terminated or cancelled by DASNY, a Purchase Order and/or contract will remain in force for the period specified or until all commodities ordered before the termination date shall have been satisfactorily delivered and accepted.
- P. Without the prior consent, in writing, of DASNY, the successful Bidder shall not assign, transfer, convey, sublet or otherwise dispose of the Purchase Order and/or contract or the right, title, duties or interest therein or the power to execute any contract to any other person, company or corporation.
- Q. It is hereby understood between the parties hereto that the relationship created by the Purchase Order Documents between DASNY and the successful Bidder is one of independent contractor and it is in no way to be construed as creating an agency relationship between said parties nor is it to be construed as in any way or under any circumstances to be creating or appointing the awarded Bidder as an agent of the

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DASNY for any purpose whatsoever.

- R. If the same or smaller quantity of a commodity is sold by a Bidder holding a contract with the State of New York for a Commodity at a price below the state contract price, the price to DASNY shall be reduced to the lower price.
- S. DASNY reserves the right to request a representative sample of a commodity or product at any time. The sample shall be furnished within a reasonable period of time as specified by DASNY. If the sample, in the judgment of DASNY, is not in accordance with the requirements of the Detailed Specifications and Scope of Work and Site Logistics, DASNY may in its sole and absolute discretion permit a period of time for a reworking of the sample or reject the bid or quote.
- T. When samples are required, failure to submit them in accordance with instructions may be sufficient cause for rejecting a bid or quote.
- U. When an accepted sample exceeds the minimum specifications set forth in the Detailed Specifications, all commodities delivered will be of same quality and identity as the sample.
- V. Samples must be submitted free of charge and be identified with the Bidder's name, address and DASNY Bid or Quote number. Detailed Specifications may indicate that the commodity to be purchased must be equal to a sample on display in a designated place. Failure on the part of the Bidder to examine such sample shall NOT entitle them to any relief from the conditions imposed in the Purchase Order Documents.
- W. Rough and shop drawings shall be furnished as deemed necessary and required by the Detailed Specifications. Such drawings shall be consistent with the Purchase Order Documents and shall be considered as forming part of the Detailed Specifications and the Purchase Order to which they relate.
- X. The successful Bidder will be required to, in all respects, guarantee the Work to the Owner. The Vendor shall forthwith repair, replace or remedy in a manner approved by the Owner, at the Vendor's expense, any Commodities, or other part of the Work found by the Owner to be defective or otherwise faulty and not in compliance with the Purchase Order Documents, which defect or fault appears during the minimum period of one (1) year, or such longer period as may be prescribed by the Purchase Order, from the date of either (1) the proper delivery of all Commodities in connection with the Purchase Order to the Site or (2) the delivery of the final invoice in connection with the Purchase Order from the Vendor to the Owner, whichever is later. The Vendor is also liable for any damage to the Work, any damage to the work of Other Vendors and Vendors, and any damage to the property of the Owner or Site resulting from said defect or fault.

#### **Section 5.0 - Qualifications of Bidder**

- A. DASNY may make such investigation as DASNY deems necessary to determine the responsibility of any Bidder or to determine the ability of any bidder to provide the commodities or otherwise provide the work set forth in the Purchase Order Documents. Bidders shall furnish to DASNY all information and data required by DASNY, within the time and in the form and manner required by DASNY. DASNY reserves the right to reject any bid if the evidence required by DASNY is not submitted as required or if the evidence submitted by or the investigation of any bidder fails to satisfy DASNY that the bidder is responsible, or is able or

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qualified to carry out the obligations of contained in the Purchase Order Documents or to complete the work as contemplated.

- B. DASNY reserves the right before making an award to make investigations as to whether or not the commodities, qualifications or facilities offered by the Bidder meet the requirements set forth in the Detailed Specifications and Scope of Work and Site Logistics are sufficient to insure the proper performance of the Purchase Order Documents.

#### **Section 6.0 - Executive Order No. 170.1 – Uniform Guidelines for Responsibility Determinations**

The criteria contained in Executive Order No. 170.1 dated June 23, 1993 (9 NYCRR § 4.170, Context and Analysis, Historical Note 32) will also be applied in the bid review process. In the event of any conflict between the criteria in Executive Order No. 170.1 and the criteria in the Purchase Order Documents, the stricter criteria shall apply.

#### **Section 7.0 - Executive Order No. 125 – NYS Vendor Responsibility Questionnaire**

- A. For any commodity Purchase Order or contract of \$100,000 or more, the New York State Vendor Responsibility Questionnaire For-Profit Construction (CCA-2) shall be submitted by the apparent low bidder to DASNY. Executive Order No. 125 dated May 22, 1989 is found at 9 NYCRR §4.125.
- B. The Bidder shall submit a New York State Vendor Responsibility Questionnaire For-Profit Construction (CCA-2) to DASNY for any subcontractor proposed for the Work upon request of DASNY.
- C. DASNY recommends that Bidders file the required Vendor Responsibility Questionnaire online via the New York State VendRep System (the “System”). To enroll in and use the System, see the System Instructions at [http://www.osc.state.ny.us/vendrep/vendor\\_index.htm](http://www.osc.state.ny.us/vendrep/vendor_index.htm) or go directly to the VendRep System online at <https://onlineservices.osc.state.ny.us>. Vendors must provide their New York State Vendor Identification Number when enrolling. To request assignment of a Vendor ID or for System assistance, contact the Office of the State Comptroller’s (“OSC”) Help Desk at 866-370-4672 or 518- 408-4672 or email [ciohelpdesk@osc.state.ny.us](mailto:ciohelpdesk@osc.state.ny.us). Vendors opting to complete and submit a paper questionnaire can obtain the appropriate questionnaire from the System website [www.osc.state.ny.us/vendrep](http://www.osc.state.ny.us/vendrep) or may contact DASNY (DASNY) or OSC’s Help Desk for a copy of the paper form.

#### **Section 8.0 - Opportunity Programs Requirements**

- A. Bidder agrees, in addition to any other nondiscrimination provision of the Purchase Order Documents and at no additional cost to DASNY, to fully comply and cooperate with DASNY in the implementation of NYS Executive Law ARTICLE 15-A, PARTICIPATION BY MINORITY GROUP MEMBERS AND WOMEN WITH RESPECT TO STATE CONTRACTS and Article 17-B, SERVICE DISABLED VETERAN OWNED BUSINESSES. These requirements will include: equal employment opportunities for minority group members and women (EEO), plus opportunities for minority and women-owned business enterprises (M/WBE). The Vendor’s demonstration of good faith efforts shall also be a part of these requirements.

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- B.
- C. See 8.0 (C.) for goals.
- D. If goals have been assigned, the successful Bidder shall be required to complete a Utilization Plan or Request for Waiver, to be approved by DASNY’s Opportunity Programs Group. Where assigned, DASNY uses a goal-oriented approach to ensure employment of EEO & M/WBE at a level commensurate with their capability and availability. DASNY has determined that the goals for EEO & M/WBE participation in the Work of the Contract are follows:  
Percent of Total Contract (M/WBE):

Minority Business Enterprise Goal	%
Women's Business Enterprise Goal	%
Service Disabled Veteran Owned Businesses	%

**Section 9.0 – Issuance of Purchase Order/Award of Contract**

- A. Issuance of the Purchase Order and/or contract shall be made to the successful Bidder submitting the lowest bid, if:
  - 1. In the opinion of DASNY, the bid is responsive to the bid solicitation and the requirements of the Purchase Order Documents, and such Bidder, is responsible.
  - 2. The Bidder submits required documents as described under Section 11.0 – Forms and Documents.
- B. Alternates, if included in the Bid Breakdown and Schedule, shall be selected in the sole and absolute discretion of DASNY when awarding the procurement and issuing Purchase Order and/or contract. Alternates shall be listed in their order of priority, and acceptance shall be made in the same order, except that DASNY, at its sole and exclusive discretion, may by-pass any Maintenance or Warranty Service Alternates. The lowest bid will then be determined by adding, to the Bidder's total base bid, all Alternates chosen by DASNY.
- C. DASNY reserves the sole and exclusive right to reject any bid or all bids, to waive any informalities or irregularities or omissions in any bid received or to afford any Bidder an opportunity to remedy any informality or irregularity.
- D. The issuance of the Purchase Order and/or contract shall not be construed as a guarantee by DASNY that the plant, equipment, and the general scheme of proposed operations of a Bidder is either adequate or suitable for the satisfactory performance of the Work or that other data supplied by a Bidder is accurate.
- E. Purchase Orders and Contracts more than \$1,000,000 are subject to the approval of the NYS Office of the State Comptroller (“OSC”).

**Section 10.0 - Substantial Completion**

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All the work of the Purchase Order Documents shall commence upon issuance by DASNY of the Purchase Order and the Vendor shall achieve Substantial Completion no later than the date set forth on the Purchase Order.

### Section 11.0 – Forms and Documents

Each bidder shall complete and submit to DASNY, pursuant to provisions stated in this Notice and Information for Bidders, the following forms and documents:

Bidding Requirements: each bidder shall submit the following at time of bid:

- Bid Breakdown and Schedule
- Omnibus Procurement Certification
  - Non-Collusive Bidding;
  - Non-Segregated Facilities;
  - Non-discrimination in Employment in Northern Ireland;
  - Federal Equal Employment Opportunity Act;
  - Transfer of Offset Credits;
  - 2005 Procurement Lobbying Law;
  - Code of Business Ethics; and
  - Iran Divestment.
- Contractor ST-220 if over \$100,000.00
- W-9 Form
- Alternate Form (if applicable)

Contract Forms: the successful bidder shall submit the following for issuance of the Purchase Order or execution of the contract:

- Utilization Plan, Request for Waiver documentation - within seventy-two (72) hours after low bidder notification as applicable
- Required Insurance Form – within three (3) days after low bidder notification as applicable
- New York State Vendor Responsibility Questionnaire For-Profit Construction (CCA-2) as applicable

### Section 12.0 – Supplemental Requirements

#### Prevailing Wage

NYS Labor Law requires all wages paid by contractors and subcontractors on public work projects be paid at the prevailing wage rates. Included in the Purchase Order documents is the current rate schedule for the appropriate county. Contractors and Subcontractors are responsible for obtaining current rates throughout the course of the project. The NYS Department of Labor (NYS DOL) updates these rates on July 1st of each year. Current rates can be obtained on the NYS DOL website ([www.labor.state.ny.us](http://www.labor.state.ny.us)) or by fax at (518) 485-1870. Note that the successful Bidder will be required to submit an executed Contractor and Subcontractor Certification and certified payrolls, which include the hours and days worked by each workman, laborer or mechanic, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, must be submitted with each and every payment requisition.



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### Section 13.0 - Project Labor Agreement

DASNY has determined that its interest in obtaining the best work at the lowest possible price, preventing favoritism, fraud and corruption, other considerations such as the impact of delay, the possibility of cost savings advantages and any local history of labor unrest are best met by use of a Project Labor Agreement (“PLA”) on this Project. The successful low bidder as a condition of this Contract award, must execute the PLA in the Purchase Order Documents following the Form of Bid. The Work undertaken in connection with this Project will be governed by, and subject to the conditions set forth in the PLA. All Subcontractors of every tier, will be required to execute a Letter of Assent, included in the enclosed PLA, agreeing to be bound by the PLA. The PLA has been approved by the Building and Construction Trades Department, AFL-CIO.

### EXCLUDED PLA PROJECTS

DASNY and the Building and Construction Trades Council of Greater New York and Vicinity (the “Council”) have entered into a Memorandum of Understanding (“MOU”) that requires the use of a Project Labor Agreement (“PLA”) on applicable covered projects within the City of New York. While this Project is considered an “Excluded Project”, under the MOU and therefore the use of a PLA is optional on this Project, the successful prime contractor performing work on this Project shall have the option to voluntarily execute the PLA. This is to provide potential bidders of the Project with notice of this option, consistent with the provisions of the MOU. Execution of the applicable PLA following the Information for Bidders is not a requirement to perform work on this Project.

### Section 14.0 – Interim Guidance For Construction Activities During The COVID-19 Public Health Emergency

All Bidders and/or contractors at a DASNY project must comply with the “INTERIM GUIDANCE FOR CONSTRUCTION ACTIVITIES DURING THE COVID-19 PUBLIC HEALTH EMERGENCY” issued by the New York State Department of Health and located at: [https://www.governor.ny.gov/sites/governor.ny.gov/files/atoms/files/ConstructionMasterGuidance .pdf](https://www.governor.ny.gov/sites/governor.ny.gov/files/atoms/files/ConstructionMasterGuidance.pdf).

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**Attachment A: Bid Breakdown & Schedule**

Bidder:

DASNY Contact: Susan Valente, Purchasing Coordinator - svalente@dasny.org

Services/Product Required by: January 3, 2022

Description: Repair and seal concrete floors

Bid Open Location: DASNY, Corporate Headquarters, 515 Broadway, Albany, NY  
12207 Bid Open Date and Time: November 3, 2021

Item No.	Manufacturer	Make/Model	Description	QTY	UOM	Unit Price	Extended Price
1			Sandblast		LS	\$	\$
2			Repair/Patch		LS		
3			Paint/Seal Floors		LS	\$	\$
4			Materials		LS*	\$	\$
5						\$	\$
6						\$	\$
7						\$	\$
8						\$	\$
9						\$	\$
10						\$	\$
11						\$	\$
12						\$	\$

\*Submit bill of materials, including a cost breakdown, i.e., quantity, unit cost, extended cost, of all materials required.

**INSTALLATION LABOR (if required)**  
**LABOR TO INSTALL \_\_\_\_\_**

**Estimated No. of Hours \_\_\_\_\_**

**Hourly Rate (Prevailing Wage rates are required for this work) \_\_\_\_\_**

Total Materials/Equipment/Commodities: \_\_\_\_\_

Total Services: \_\_\_\_\_

**TOTAL BID \_\_\_\_\_**

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(The below questions 1) and 2) need only be answered if the above total bid is for one million dollars or more)

- 1. Does your firm anticipate the use of subcontractors and outside suppliers specific to this procurement?  
Yes  No
- 2. Does your firm anticipate the creation of employment opportunities arising from this procurement?  
Yes  No

(The below information must be completed for all bids.)

Identify all subcontractors, if any: \_\_\_\_\_

STATE, PROVINCE FOR FOREIGN COUNTRY  
THAT YOUR FIRM'S PRINCIPAL PLACE OF  
BUSINESS IS LOCATED:

\_\_\_\_\_

ADDRESS OF FACTORY OR PLANT WHERE  
ITEMS ARE MANUFACTURED AND/OR  
ASSEMBLED. (Attach additional sheet(s) if more  
than one manufacturer)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
BIDDER (FIRM NAME)

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
NAME (TYPE/PRINTED)

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
Date

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**Attachment B: Detailed Specifications**

1. Sand blast or diamond brush flooring in two lecture halls
2. Quick patch and repair flooring in two lecture halls
3. First coat application\* in two lecture halls
4. Second coat application\* in two lecture halls

\*See attached Paint and Coatings Guide by Sherwin Williams for specific paint finishes and color.



SHERWIN-WILLIAMS®



# Paint and Coatings Guide

## *Remsen Hall Lecture Floor*

Presented By:  
**Natasha Fraser**  
Property Management Account Manager

(718) 689-0762  
natasha.fraser@sherwin.com

SHERWIN-WILLIAMS  
62-16 34TH AVENUE  
WOODSIDE, NY 11377 2229  
(718) 426-8813

August 02, 2021

## Interior Finishes

### Concrete Masonry

**Other:** Sand Blast or Diamond Brush

- Location: Lecture room floor

*Notes: Used to remove the existing coating*

**Other:** 60.100709 - QUICK PATCH & REPAIR

- Location: Flooring

*Notes: Used to patch the concrete if needed*

**First Coat:** B70W08111 - AS FPLX 8100 EXW A

- Location: Lecture Hall Flooring

*Notes: Part A*

**First Coat:** B70V08100 - AS FPLX 8100 B

- Location: Lecture Hall Flooring

*Notes: Part B*

**Second Coat:** B70W08111 - AS FPLX 8100 EXW A

- Location: Lecture Hall Flooring

*Notes: Part A*

**Second Coat:** B70V08100 - AS FPLX 8100 B

- Location: Lecture Hall Flooring

*Notes: Part B*



*SHERWIN-WILLIAMS*®

# Reference Pages

# Data Pages





# H&C® CONCRETEREADY® SINGLE COMPONENT QUICK PATCH AND REPAIR



## PRODUCT DESCRIPTION

**H&C® CONCRETEREADY® Single Component Quick Patch & Repair** is a single component cement based chemical patching compound system providing a workable, no-slump patch that sets quickly for quicker return to service. Just add water.

## FEATURES & BENEFITS

- Can be used virtually on all bare concrete.
- Application can be made easily and quickly, producing a bond stronger than the surrounding concrete.
- Excellent for use in repairing all types of concrete structures.

## RECOMMENDED USES

H&C CONCRETEREADY Single Component Quick Patch & Repair is formulated for use on concrete and masonry surfaces including Driveways, Garage Floors, Walkways, Patios and Pool Decks.

## COVERAGE RATES

5 pounds will equal approximately .045 cubic feet, or 1.2 square feet at ½" depth. Maximum thickness is approximately 1". For thicker applications add coarse sand or pea gravel at rate of ½ lb to 1 lb of dry mix to prevent excessive shrinkage

## JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

## LIMITATIONS

Protect From Freezing.

## SURFACE PREPARATION

Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, and other foreign matter. The prepared surface must be clean and structurally sound. The surface may require profiling. Sand blasting, grinding or shot blasting may be necessary to get to bare concrete. Substrate must be 50°F and rising before installation. Surface at 90°F and above must be cooled before installation. Dampen area with fog tipped sprayer before using, leaving no puddles.

## TOOLS REQUIRED

- 1/2" drill – must be slow or variable speed drill to control the shear and mixing speed
- Mixing paddle
- 5 gallon pail
- Tape and paper to mask all areas for protection
- Concrete Broom

## INSTRUCTIONS

Concrete or masonry surfaces should be dampened after cleaning, before application of H&C CONCRETEREADY Single Component Quick Patch & Repair. Any excess water

should be blown or swept away. Apply slurry bond coat consisting of H&C CONCRETEREADY Single Component Quick Patch & Repair mixed loosely with water with a brush to the host surface not allowing it to dry prior to application of the patching coat. H&C CONCRETEREADY Single Component Quick Patch & Repair is mixed by adding the dry mixture to the proper amount of clean water (approx. 1 pt. per 5 lb.) and mixed thoroughly using a suitable paddle mixer or by hand trowel for smaller amounts. Do not mix for more than one minute. Mix no more material than can be placed in ten minutes. No tempering with additional water should be attempted. Begin application of H&C CONCRETEREADY Single Component Quick Patch & Repair immediately after mixing with water and work thoroughly into surface of area to be filled. Do not overwork. Minimize troweling.

## CLEAN UP

Clean up is simple and easy with soap and water. Rinse tools before material hardens.

## DISPOSAL

Comply with all applicable local, state and federal rules and regulations for powder, mixed and cured product, the packaging and mixing containers.

## PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
VOC	EPA Method 24	0 g/L
Compressive Strength	ASTM C-109	3 Hours 3090 PSI
		24 Hours 4850 PSI
		28 Days 6042 PSI
Set Time		Initial 7-20 Mins
		Final 15-30 Mins
Weight per Gallon	ASTM D1475	22 - 25 lb/gal

## LIMITED WARRANTY

Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the applicator's inability to use the product for his/her intended use. The user assumes all risk and liability.

## ORDERING INFORMATION

**White**                      **Part Number/SMIS**  
5lb, In 1-gal pail        60.100709-99 /6507-12326

## TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group and The Sherwin-Williams® Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C or Sherwin-Williams representative to obtain the most recent product data sheet.

For technical assistance, call 1-800-867-8246 or visit [www.hcconcrete.com](http://www.hcconcrete.com).

## CAUTION

**CAUTIONS CONTAINS CRYSTALLINE SILICA & PORTLAND CEMENT.** Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use.

**FIRST AID:** If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

**DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**



**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

**PART A**  
**PART A**  
**PART B**

**B70-8100 SERIES**  
**B70-8160 SERIES**  
**B70V8100**

**GLOSS SATIN**  
**HARDENER**

Revised: November 4, 2019

**PRODUCT INFORMATION**

8.18

**PRODUCT DESCRIPTION**

**ARMORSEAL 8100** is the next generation in water based epoxy floor coatings; a two-component polyamine epoxy with excellent chemical and abrasion resistance that is breathable. It is designed for use in commercial, industrial and residential floor applications. A LEED v4.1 compliant material that offers improved performance while maintaining ease of application properties common to water based materials. This versatile material is self-priming over concrete, can be used as a stand alone coating or as a receiver coat for paint chip floors. Available in a gloss or satin finish

- Breathable
- <50 g/L
- Color Retention, resists yellowing
- Resists disbondment due to Moisture Vapor Transmission (MVT)
- Ease of application

**PRODUCT CHARACTERISTICS**

**Finish:** Gloss or Satin  
**Color:** Clear\*, Tile Red, Deck Gray, Haze Gray and a wide range of tinted colors using CCE colorants  
 Safety Colors  
 Gloss only  
 \* For Clear, use the Ultra Deep Base (for more detail, see Application Bulletin Performance Tips)  
**Volume Solids:** 41% ± 2%, mixed, may vary by color  
**Weight Solids:** 50% ± 2%, mixed, may vary by color  
**VOC (EPA Method 24):** <50 g/L; 0.42 lb/gal, mixed  
**Mix Ratio:** 4:1 by volume

**Recommended Spreading Rate per coat:**

	Minimum	Maximum
<b>Wet mils (microns)</b>	<b>5.0</b> (125)	<b>12.0</b> (300)
<b>Dry mils (microns)</b>	<b>2.0</b> (50)	<b>5.0</b> (125)
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>	<b>130</b> (3.3)	<b>320</b> (8.1)

*NOTE: Brush or roll to cover base or vertical surfaces may require multiple coats to achieve maximum film thickness and uniformity of appearance.*

**Drying Schedule @ 7.0 mils wet (175 microns):**

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
<b>To touch:</b>	1 hour	45 minutes	25 minutes
<b>To recoat*:</b>			
<b>minimum:</b>	8 hours	6 hours	3 hours
<b>maximum:</b>	72 hours	72 hours	72 hours
<b>To Cure</b>	7 days	7 days	7 days
<b>Foot Traffic:</b>		18 hours	
<b>Heavy Traffic:</b>		48 hours	
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
<i>*If recoating after 72 hours abrade surface first.</i>			
<b>Pot Life:</b>	8 hours	5½ hours	3½ hours
<b>Sweat-in-Time:</b>	None	None	None

**Shelf Life:** Part A: 24months, unopened  
 Part B: 36 months  
 Store indoors at 40°F (4.5°C) to 100°F (38°C)  
**Flash Point:** >230°F (110°C), Set Flash, mixed  
**Reducer/Clean Up:** Water

**RECOMMENDED USES**

Durable epoxy floor coating for general purpose use in industrial and commercial environments, such as:

- Warehouse Floors
- Garages
- Residential
- Automotive Showrooms
- Industrial and Commercial Floors
- Light manufacturing Plants
- Acceptable for use in USDA inspected facilities

**PERFORMANCE CHARACTERISTICS**

**Substrate:** Concrete

**Surface Preparation:** Clean, dry, sound

**System Tested:**

2 cts. ArmorSeal 8100 @ 2.0 - 4.0 mils (50-100 microns) dft

Test Name	Test Method	Results
<b>Abrasion Resistance</b>	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	150 mg loss
<b>Adhesion</b>	ASTM D4541	550 psi concrete
<b>Finish</b>	Satin Gloss	15-25 units@ 85° 90+ units @ 60°
<b>Flexibility</b>	ASTM D 522	180° bend 1/8" mandrel
<b>Impact Resistance</b>	ASTM D2794	Direct 100 in.lb. Indirect 80 in.lb.
<b>Pencil Hardness</b>	ASTM D3363	H
<b>Slip Resistance, Floors</b>	ASTM C1028**, .60 Minimum Static Coefficient of Friction	Passes wet and dry, with and without SharkGrip Additive
<b>WVP Perms (US)</b>	Grains(hr ft <sup>2</sup> in Hg)	Gloss – 2.0 Satin – 5.0
<b>Hot Tire Pick-up</b>	ITM @ 140°F (60°C)	Passes

\*\*Test method withdrawn in 2014 without replacement



**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

**PART A**  
**PART A**  
**PART B**

**B70-8100 SERIES**  
**B70-8160 SERIES**  
**B70V8100**

**GLOSS SATIN**  
**HARDENER**

Revised: November 4, 2019

**PRODUCT INFORMATION**

8.18

**RECOMMENDED SYSTEMS**

	Dry Film Thickness / ct.	
	Mils	(Microns)
<b>Concrete Floors, unpainted:</b>		
1 ct. ArmorSeal 8100 (reduced with one pint of water per gallon)	2.0-4.0	(50-100)
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)
<b>Concrete Floors, previously painted:</b>		
1 ct. Spot prime bare areas with ArmorSeal 8100	2.0-4.0	(50-100)
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)
<b>Wood Floors:</b>		
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)

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

**SURFACE PREPARATION**

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

Refer to product Application Bulletin for detailed surface preparation information.

**Do not use hydrocarbon solvents for cleaning.**

Minimum recommended surface preparation:  
 Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP1-3

Wood Floors: Clean, smooth, dust free

**TINTING**

Tint part A with CCE colorants at 100% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**APPLICATION CONDITIONS**

Temperature: 50°F (10°C) minimum, 100°F (38°C) maximum  
 (air, surface, and material)  
 At least 5°F (2.8°C) above dew point  
 Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

**ORDERING INFORMATION**

Packaging: 1 gallon (3.78L) and 5 gallon (18.9L) containers

Weight: 9.9 ± 0.2 lb/gal ; 1.12 Kg/L  
 mixed, may vary by color

**SAFETY PRECAUTIONS**

Refer to the SDS sheet before use.

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

**WARRANTY**

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

PART A  
 PART A  
 PART B

B70-8100 SERIES  
 B70-8160 SERIES  
 B70V8100

GLOSS  
 SATIN  
 HARDENER

Revised: November 4, 2019

**APPLICATION BULLETIN**

8.18

**SURFACE PREPARATIONS**

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

**Do not use hydrocarbon solvents for cleaning.**

**Concrete and Masonry**

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.

**Follow the standard methods listed below when applicable:**

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
- SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
- ICRI No. 310.2R Concrete Surface Preparation.

**Wood**

Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Prime with recommended primer and paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

**Previously Painted Surfaces**

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

**APPLICATION CONDITIONS**

Temperature: 50°F (10°C) minimum, 100°F (38°C) maximum (air, surface, and material)  
 At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

**APPLICATION EQUIPMENT**

The following is a guide. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

**Reducer/Clean Up** .....Water  
 Clear/Ultradeep tint base  
 requires reduction of 5% by volume

**Brush**  
 Brush.....Nylon/Polyester or Natural Bristle  
 Reduction.....as needed up to 10% by volume, for primer coat only

**Roller**  
 Cover ..... 1/4"-3/8" woven with solvent resistant core  
 Reduction.....as needed up to 10% by volume, for primer coat only

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

**Surface Preparation Standards**

Condition of Surface	ISO 8501-1 BS7079:A1	SSPC	NACE
White Metal	Sa 3	SP 5	1
Near White Metal	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	SP 6	3
Brush-O Blast	Sa 1	SP 7	4
Rusted	St 2	SP 7	5
Hand Tool Cleaning	Dt 2	SP 2	1
Pitted & Rusted	Dt 3	SP 3	1
Rusted	St 3	SP 3	1
Power Tool Cleaning	Dt 3	SP 3	1
Pitted & Rusted	Dt 3	SP 3	1



**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

**PART A**  
**PART A**  
**PART B**

**B70-8100 SERIES**  
**B70-8160 SERIES**  
**B70V8100**

**GLOSS SATIN HARDENER**

Revised: November 4, 2019

**APPLICATION BULLETIN**

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**APPLICATION PROCEDURES**

Surface preparation must be completed as indicated.

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.

If reducer is used, add only after both components have been thoroughly mixed.

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

**Recommended Spreading Rate per coat:**

	Minimum	Maximum
<b>Wet mils</b> (microns)	<b>5.0</b> (125)	<b>12.0</b> (300)
<b>Dry mils</b> (microns)	<b>2.0</b> (50)	<b>5.0</b> (125)
<b>~Coverage sq ft/gal</b> (m <sup>2</sup> /L)	<b>130</b> (3.3)	<b>320</b> (8.1)

*NOTE: Brush or roll to cover base or vertical surfaces may require multiple coats to achieve maximum film thickness and uniformity of appearance.*

**Drying Schedule @ 7.0 mils wet (175 microns):**

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
<b>To touch:</b>	1 hour	1 hour	30 minutes
<b>To recoat*:</b>			
<b>minimum:</b>	8 hours	6 hours	3 hours
<b>maximum:</b>	72 hours	72 hours	72 hours
<b>To Cure</b>	7 days	7 days	7 days
<b>Foot Traffic:</b>	36 hours	18 hours	8 hours
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
*If recoating after 72 hours, abrade surface first.			
<b>Pot Life:</b>	8 hours	5½ hours	3½ hours
<b>Sweat-in-Time:</b>	None	None	None

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

**CLEAN UP INSTRUCTIONS**

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water.

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**PERFORMANCE TIPS**

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

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

**For Clear applications, use the Ultra Deep Base, reduce 5% with potable water. When first mixed and applied, the material is white, but will dry Clear. DO NOT exceed 10 mils WFT. Avoid puddling material at edges or in depressions as it may not dry clear.**

Excessive reduction of material can affect film build, appearance, and adhesion.

Do not apply the material beyond recommended pot life.

Do not mix previously catalyzed material with new.

Always test adhesion by applying a test patch of 2-3 square feet. Allow to dry one week before checking adhesion.

**Do not use hydrocarbon solvents for cleaning.**

Anti-slip additives, such as H&C SharkGrip® or ArmorSeal Hi-Wear Additive, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish.

Refer to Product Information sheet for additional performance characteristics and properties.

**SAFETY PRECAUTIONS**

Refer to the SDS sheet before use.

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**WARRANTY**

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# ArmorSeal Heavy Duty Floor Coatings

# ARMORSEAL® 8100 WATER BASED EPOXY FLOOR COATING

PART A  
PART A  
PART B

B70-8100 SERIES  
B70-8160 SERIES  
B70V8100

GLOSS  
SATIN  
HARDENER

Revised: November 4, 2019

## PRODUCT INFORMATION

8.18

### PRODUCT DESCRIPTION

**ARMORSEAL 8100** is the next generation in water based epoxy floor coatings; a two-component polyamine epoxy with excellent chemical and abrasion resistance that is breathable. It is designed for use in commercial, industrial and residential floor applications. A LEED v4.1 compliant material that offers improved performance while maintaining ease of application properties common to water based materials. This versatile material is self-priming over concrete, can be used as a stand alone coating or as a receiver coat for paint chip floors. Available in a gloss or satin finish

- Breathable
- <50 g/L
- Color Retention, resists yellowing
- Resists disbondment due to Moisture Vapor Transmission (MVT)
- Ease of application

### PRODUCT CHARACTERISTICS

**Finish:** Gloss or Satin  
**Color:** Clear\*, Tile Red, Deck Gray, Haze Gray and a wide range of tinted colors using CCE colorants  
Safety Colors  
Gloss only

\* For Clear, use the Ultra Deep Base (for more detail, see Application Bulletin Performance Tips)

**Volume Solids:** 41% ± 2%, mixed, may vary by color  
**Weight Solids:** 50% ± 2%, mixed, may vary by color  
**VOC (EPA Method 24):** <50 g/L; 0.42 lb/gal, mixed  
**Mix Ratio:** 4:1 by volume

### Recommended Spreading Rate per coat:

	Minimum	Maximum
<b>Wet mils (microns)</b>	<b>5.0</b> (125)	<b>12.0</b> (300)
<b>Dry mils (microns)</b>	<b>2.0</b> (50)	<b>5.0</b> (125)
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>	<b>130</b> (3.3)	<b>320</b> (8.1)

*NOTE: Brush or roll to cover base or vertical surfaces may require multiple coats to achieve maximum film thickness and uniformity of appearance.*

### Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
<b>To touch:</b>	1 hour	45 minutes	25 minutes
<b>To recoat*:</b>			
<b>minimum:</b>	8 hours	6 hours	3 hours
<b>maximum:</b>	72 hours	72 hours	72 hours
<b>To Cure</b>	7 days	7 days	7 days
<b>Foot Traffic:</b>		18 hours	
<b>Heavy Traffic:</b>		48 hours	
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
*If recoating after 72 hours abrade surface first.			
<b>Pot Life:</b>	8 hours	5½ hours	3½ hours
<b>Sweat-in-Time:</b>	None	None	None

**Shelf Life:** Part A: 24 months, unopened  
Part B: 36 months  
Store indoors at 40°F (4.5°C) to 100°F (38°C)

**Flash Point:** >230°F (110°C), Set Flash, mixed

**Reducer/Clean Up:** Water

### RECOMMENDED USES

Durable epoxy floor coating for general purpose use in industrial and commercial environments, such as:

- Warehouse Floors
- Garages
- Residential
- Automotive Showrooms
- Industrial and Commercial Floors
- Light manufacturing Plants
- Acceptable for use in USDA inspected facilities

### PERFORMANCE CHARACTERISTICS

**Substrate:** Concrete

**Surface Preparation:** Clean, dry, sound

**System Tested:**

2 cts. ArmorSeal 8100 @ 2.0 - 4.0 mils (50-100 microns) dft

Test Name	Test Method	Results
<b>Abrasion Resistance</b>	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	150 mg loss
<b>Adhesion</b>	ASTM D4541	550 psi concrete
<b>Finish</b>	Satin Gloss	15-25 units@ 85° 90+ units @ 60°
<b>Flexibility</b>	ASTM D 522	180° bend 1/8" mandrel
<b>Impact Resistance</b>	ASTM D2794	Direct 100 in.lb. Indirect 80 in.lb.
<b>Pencil Hardness</b>	ASTM D3363	H
<b>Slip Resistance, Floors</b>	ASTM C1028**, .60 Minimum Static Coefficient of Friction	Passes wet and dry, with and without SharkGrip Additive
<b>WVP Perms (US)</b>	Grains(hr ft <sup>2</sup> in Hg)	Gloss – 2.0 Satin – 5.0
<b>Hot Tire Pick-up</b>	ITM @ 140°F (60°C)	Passes

\*\*Test method withdrawn in 2014 without replacement



**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

**PART A**  
**PART A**  
**PART B**

**B70-8100 SERIES**  
**B70-8160 SERIES**  
**B70V8100**

**GLOSS SATIN**  
**HARDENER**

Revised: November 4, 2019

**PRODUCT INFORMATION**

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**RECOMMENDED SYSTEMS**

	Dry Film Thickness / ct.	
	Mils	(Microns)
<b>Concrete Floors, unpainted:</b>		
1 ct. ArmorSeal 8100 (reduced with one pint of water per gallon)	2.0-4.0	(50-100)
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)
<b>Concrete Floors, previously painted:</b>		
1 ct. Spot prime bare areas with ArmorSeal 8100	2.0-4.0	(50-100)
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)
<b>Wood Floors:</b>		
2 cts. ArmorSeal 8100	2.0-4.0	(50-100)

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

**SURFACE PREPARATION**

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

Refer to product Application Bulletin for detailed surface preparation information.

**Do not use hydrocarbon solvents for cleaning.**

Minimum recommended surface preparation:  
 Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP1-3

Wood Floors: Clean, smooth, dust free

**TINTING**

Tint part A with CCE colorants at 100% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**APPLICATION CONDITIONS**

Temperature: 50°F (10°C) minimum, 100°F (38°C) maximum  
 (air, surface, and material)  
 At least 5°F (2.8°C) above dew point  
 Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

**ORDERING INFORMATION**

Packaging: 1 gallon (3.78L) and 5 gallon (18.9L) containers

Weight: 9.9 ± 0.2 lb/gal ; 1.12 Kg/L  
 mixed, may vary by color

**SAFETY PRECAUTIONS**

Refer to the SDS sheet before use.

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

**WARRANTY**

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**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

PART A  
 PART A  
 PART B

B70-8100 SERIES  
 B70-8160 SERIES  
 B70V8100

GLOSS  
 SATIN  
 HARDENER

Revised: November 4, 2019

**APPLICATION BULLETIN**

8.18

**SURFACE PREPARATIONS**

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

**Do not use hydrocarbon solvents for cleaning.**

**Concrete and Masonry**

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.

**Follow the standard methods listed below when applicable:**

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
- SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
- ICRI No. 310.2R Concrete Surface Preparation.

**Wood**

Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Prime with recommended primer and paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

**Previously Painted Surfaces**

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

**APPLICATION CONDITIONS**

Temperature: 50°F (10°C) minimum, 100°F (38°C) maximum (air, surface, and material)  
 At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

**APPLICATION EQUIPMENT**

The following is a guide. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

**Reducer/Clean Up** .....Water  
 Clear/Ultradeep tint base  
 requires reduction of 5% by volume

**Brush**  
 Brush.....Nylon/Polyester or Natural Bristle  
 Reduction.....as needed up to 10% by volume, for primer coat only

**Roller**  
 Cover ..... 1/4"-3/8" woven with solvent resistant core  
 Reduction.....as needed up to 10% by volume, for primer coat only

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

**Surface Preparation Standards**

Condition of Surface	ISO 8501-1 BS7079:A1	SSPC	NACE
White Metal	Sa 3	SP 5	1
Near White Metal	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	SP 6	3
Brush-O Blast	Sa 1	SP 7	4
Rusted	St 2	SP 7	5
Hand Tool Cleaning	Dt 2	SP 2	1
Pitted & Rusted	Dt 3	SP 3	1
Rusted	St 3	SP 3	1
Power Tool Cleaning	Dt 3	SP 3	1
Pitted & Rusted	Dt 3	SP 3	1



**ArmorSeal**  
**Heavy Duty Floor**  
**Coatings**

**ARMORSEAL® 8100**  
**WATER BASED EPOXY FLOOR COATING**

**PART A**  
**PART A**  
**PART B**

**B70-8100 SERIES**  
**B70-8160 SERIES**  
**B70V8100**

**GLOSS SATIN HARDENER**

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**APPLICATION PROCEDURES**

Surface preparation must be completed as indicated.

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.

If reducer is used, add only after both components have been thoroughly mixed.

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

**Recommended Spreading Rate per coat:**

	Minimum	Maximum
<b>Wet mils</b> (microns)	<b>5.0</b> (125)	<b>12.0</b> (300)
<b>Dry mils</b> (microns)	<b>2.0</b> (50)	<b>5.0</b> (125)
<b>~Coverage sq ft/gal</b> (m <sup>2</sup> /L)	<b>130</b> (3.3)	<b>320</b> (8.1)

*NOTE: Brush or roll to cover base or vertical surfaces may require multiple coats to achieve maximum film thickness and uniformity of appearance.*

**Drying Schedule @ 7.0 mils wet (175 microns):**

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
<b>To touch:</b>	1 hour	1 hour	30 minutes
<b>To recoat*:</b>			
<b>minimum:</b>	8 hours	6 hours	3 hours
<b>maximum:</b>	72 hours	72 hours	72 hours
<b>To Cure</b>	7 days	7 days	7 days
<b>Foot Traffic:</b>	36 hours	18 hours	8 hours
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
*If recoating after 72 hours, abrade surface first.			
<b>Pot Life:</b>	8 hours	5½ hours	3½ hours
<b>Sweat-in-Time:</b>	None	None	None

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

**CLEAN UP INSTRUCTIONS**

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water.

**DISCLAIMER**

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

**PERFORMANCE TIPS**

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

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

**For Clear applications, use the Ultra Deep Base, reduce 5% with potable water. When first mixed and applied, the material is white, but will dry Clear. DO NOT exceed 10 mils WFT. Avoid puddling material at edges or in depressions as it may not dry clear.**

Excessive reduction of material can affect film build, appearance, and adhesion.

Do not apply the material beyond recommended pot life.

Do not mix previously catalyzed material with new.

Always test adhesion by applying a test patch of 2-3 square feet. Allow to dry one week before checking adhesion.

**Do not use hydrocarbon solvents for cleaning.**

Anti-slip additives, such as H&C SharkGrip® or ArmorSeal Hi-Wear Additive, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish.

Refer to Product Information sheet for additional performance characteristics and properties.

**SAFETY PRECAUTIONS**

Refer to the SDS sheet before use.

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

**WARRANTY**

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

BIDDING REQUIREMENTS for PURCHASING

NOTICE AND INFORMATION FOR BIDDERS

**Attachment C: Scope of Work and Site Logistics**

SEE ATTACHED

# **REMSEN HALL AUDITORIUMS ROOMS 100 & 101**

## **PROJECT INFORMATION:**

The Auditoriums 100 and 101 built in 1951. They are one of the main venues for large lecture presentations on campus, and especially for sciences and general education courses. The venue also serves as location for public events- audiences for these events include members of the community, many of them being senior citizens, students, faculty, and friends and families of the participants.

The two Auditoriums serve the students and faculty of the college and it is an important part of the college's relationship to our surrounding community. This project will provide new seating more appropriate to the venue of a large lecture presentation and teaching activities currently performed in these spaces.

## **PROJECT SCOPE**

This Project will require the patch and repair and paint of the existing flooring prior to the new seating being placed.

The following are pictures of the existing floor condition.





E-1 Entrance/Exit Door from inside Room 100. Requires Pull Station

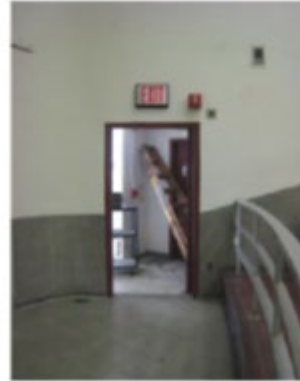


E-3 Rear View of Lecture Hall



E-2 View of Projection Room. Exit Door requires Pull Station

**Remsen Hall – 1st Floor – Lecture Hall, Rm 100**



E-4 Exit Vestibule from Aisle Right. Door requires Pull Station

**Remsen Hall – 1st Floor – Lecture Hall, Rm 100**



**Site Logistics:**

1. Services to be performed Monday through Friday at straight-time during the College's winter break. Services are to be completed no later than 1/28/22.
2. Elevators: See information below.
3. Loading Dock: N/A

Vendor may need to use the elevator to bring in equipment if a large truck is used. Only small trucks are allowed to park on the Quad - Main entrance of Remsen Hall. The other way to get access is to use the entrance to Remsen by Gate 2, which will be at the basement level and the elevator can be used.

The truck weight cannot be more than 34,000 LBS.

