\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*GUIDE SPECIFICATION IS PROVIDED BY PROSOCO, INC. AS A SERVICE AND IS INTENDED TO BE USED AS A PROJECT SPECIFIC SPECIFICATION SECTION. This guide specification is written around the Construction Specifications Institute (CSI), FormatS AND GUIDING TECHNICAL PRINCIPALS and therefore may be used with most master specification systems. For specification assistance on specific product applications, please contact our offices AT (800) 255-4255 or our local product representatives.

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**TIPS:**

To view non-printing **Editor's Notes** that provide guidance for editing, click on the Show/Hide button or Word 2010 offers a convenient keyboard shortcut; press the Ctrl+\* keystroke to toggle on/off. (Press the Ctrl key, Shift key, and the number 8 simultaneously).

##### Retain the applicable section title below to suit the project.

# SECTION [04 01 00 - Maintenance of Masonry] [07 19 00 – Water Repellents] [07 19 19 - SILICONE Water repellents] [09 90 00 - Painting & Coating] [09 97 23 – interior Painting] [09 97 23 - Concrete and Masonry COATINGS] [09 97 26.13 – Interior Cementitious Coatings]

## GENERAL

### SUMMARY

#### Section Includes:

##### Interior Masonry Dustproofer is applied to interior exposed [masonry], [brick], [mortar], and [natural stone] walls.

#### Related Sections:

##### Retain subparagraphs below to suit the project.

##### Section 01 33 00 - Submittal Procedures.

##### Section 04 01 10 - Unit Masonry Cleaning.

##### Section 04 20 00 - Unit Masonry.

### References

#### Definitions:

##### Wet-on-Wet Application: Wet-on-wet is a technique in which the masonry dustproofer is applied to the previously applied, still wet, application of the masonry dustproofer.

#### Reference Standards:

##### The date of the standard is that in effect as the date of receipt of bids for the project.

##### Living Building Challenge (LBC).

##### ASTM International (ASTM):

###### D2369- Standard Test Method for Volatile Content of Coatings.

### SUBMITTALS

#### General: Submit the following according to the Conditions of the Contract and Division 01 General Requirements specification sections.

#### Submit product data including detailed test results of materials applied to surfaces similar to requirements of this Section.

#### Submit manufacturer's instructions for methods and application procedures.

#### Submit manufacturer's certification indicating masonry dustproofer treatment conforms to or exceeds requirements stated herein.

### QUALITY ASSURANCE

#### The Contractors involved with work covered by this Section shall have had a minimum of three (3) years of experience using specified techniques for interior masonry dustproofing application.

#### Tradesman must be competent and experienced and shall demonstrate reasonable care during performance of operations described in this Section.

#### Tests and Approvals:

##### Sample Area:

###### Contractor shall apply a test area of wall surface from four square feet in size for inspection and approval by the Owner’s Representative after treatment has cured. Test area shall be available for comparison during the specified scope of work. [Interior Masonry Dustproofer typically gains its water repellency properties in 72 hours.]

###### Sample Area should be used to confirm suitability, coverage rate, and desired results before beginning the overall application.

###### Include in the test area any previous repairs and patches, including aesthetic cementitious finishes. Different surface compositions may result in absorption and/or appearance differences. Test with the same equipment, recommended surface preparation, and application procedures planned for general application

##### If any part of this work shall be found defective (because of improper preparation of surfaces or application of treatment) at any time before the final acceptance of the item, the Contractor shall, at his own expense, make good such defect to the satisfaction of the A/E.

### PROJECT CONDITIONS

#### Protection:

##### Contractor shall provide, at all times, covered access to premises and necessary utilities, space for storage of material and equipment, etc.

##### All activities shall be in compliance with local and governmental regulations and codes.

##### The surface and atmospheric temperature should be at least 40 degrees Fahrenheit. and rising during application and for eight hours following. Surface and air temperatures should not exceed 95 degrees Fahrenheit.

##### Surfaces should be dry.

##### Apply only in well ventilated areas.

##### Newly re-pointed and constructed surfaces should cure for 28 days before application.

##### All caulking (sealants) should be cured prior to application.

##### The Contractor shall require applicators to observe safety precautions as outlined on containers and labels.

## PRODUCTS

### MATERIALS

#### Interior Masonry Dustproofer [Coating]:

Retain the paragraphs below to suit the project.

##### Use breathable, clear-drying, penetrating, water-based silicone emulsion for dustproofing interior [masonry][brick][mortar][natural stone] materials and protecting them from further dusting, while protecting from efflorescence, mildew and other moisture-related stains without altering their natural appearance.

##### Physical and Performance Properties:

###### Total Solids per ASTM D2369: Four (4) percent.

###### Comply with national, state, and district AIM VOC regulations.

###### Living Building Challenge Red List Compliant.

##### Approved Products:

###### "[Sure Klean Weather Seal Interior Masonry Dustproofer](https://prosoco.com/product/interior-masonry-dustproofer/)"; [PROSOCO, Inc.](http://www.prosoco.com/) (800-255-4255) (Basis of Design).

### EQUIPMENT

#### Spray Equipment: Provide equipment for controlled spray application of [interior masonry dustproofer], at rates indicated for pressure, measured at spray tip, and for volume. Adjust pressure and volume, as required, to ensure not to damage [masonry][brick][mortar][natural stone].

##### Fan spray tips are recommended to avoid atomization of the material.

#### Small Scale Application: Brush or Rollers.

## EXECUTION

### PREPARATION

#### Verify surfaces to receive interior masonry dustproofer are absorbent and free of debris, or other foreign matter detrimental to application.

#### Remove loose particles and foreign matter. Brush or vacuum debris from the surface. Remove grease or oil with a solvent, effective alkaline cleaner, or detergent as recommended by the interior masonry dustproofer manufacturer.

#### Allow surfaces to dry prior to application.

#### Protect all surrounding areas as recommended by the manufacturer or as directed by the Architect.

#### Ensure fresh air entry and cross ventilation during application and drying.

### INTeriOR DUSTPROOFING APPLICATION

#### Test each surface and/or material to be treated to ensure compatibility and desired water-resistant treatment results. The surface to be treated must be clean and free of all foreign matter and as dry as possible to ensure proper penetration of interior masonry dustproofer treatment.

#### Do NOT dilute the interior masonry dustproofer.

#### Proceed with application in an orderly manner once the application rate has been tested; work from bottom to top of each scaffold width and from one end of each elevation to the other.

#### Apply to dry surfaces that comply with manufacturer's written instructions; use brush or spray application methods, at Contractor's option.

#### Preferred method of application is with low pressure, spray equipment. Use roller or brush for small scale applications or when spray applications are not appropriate. Apply in coverage rate as recommended by manufacturer for type of material.

#### Spray Application:

##### Uniformly saturate the surface using the “wet-on-wet” application method from bottom up, creating a 6 to 8 inch rundown below the spray contact point. Avoid excessive overlapping. Apply in accordance with manufacturer recommendation.

###### Do not spray apply at pressures exceeding 50 psi.

##### Let the interior masonry dustproofer penetrate for 2 to 3 minutes.

##### Immediately brush out heavy runs and drips to prevent buildup.

### PROTECTION

#### Protect adjacent surfaces not scheduled to receive treatment. If applied on unscheduled surfaces, remove immediately, by manufacturer approved method.

#### Protect treated surfaces from water for at least 6 hours after application.

#### Correct damage by cleaning, as approved by A/E.

##### Retain the applicable section title below to suit the project.

# END OF SECTION [04 01 00][07 19 00] [07 19 19][09 90 00][09 97 23][09 97 23][09 97 26.13]