

SECTION 07 1900

WATER REPELLENTS

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2010: Display the FILE tab on the ribbon, click OPTIONS, then on left menu click on DISPLAY. Under ALWAYS SHOW THESE select or deselect HIDDEN TEXT.

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Clear water repellent coating applied to [exterior] and] [interior] [cast-in-place concrete] [precast concrete] [concrete brick] [concrete unit masonry] [clay brick] [clay masonry unit] [natural stone] [manufactured stone] [plaster] surfaces.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 SUBMITTALS

- A. Submittals for Review:
 - 1. Product Data: Include product description and performance characteristics.
- B. Sustainable Design Submittals:
 - 1. Regional Materials: Indicate cost of products harvested, extracted, recovered, or manufactured within 500 mile radius of Project site.

1.3 QUALITY ASSURANCE

- A. Applicator Qualifications: Minimum [__] years [documented] experience in work of this Section.
- B. Mockup:
 - 1. Size: Minimum [4 x 4] [__ x __] feet.
 - 2. Determine coverage rate for application.
 - 3. After curing, water test to verify sufficient coverage to repel moisture from surface.
 - 4. Verify that application of coating to substrate will not produce surface stains or discoloration.
 - 5. Locate [where directed.] [____.]

1.4 PROJECT CONDITIONS

- A. Do not apply coating if:
 - 1. Ambient temperature is below 40 degrees F.
 - 2. Possibility of entrapped or frozen water exists.
 - 3. Frost or rain is expected during next 12 hours.
- B. Do not apply during high winds.
- C. Prevent overspray onto adjacent materials.

1.5 SEQUENCING

- A. Allow joint sealants to cure minimum 48 hours after their application before applying coating.
- B. Allow water repellent to cure minimum 5 days after application before applying joint sealers to coated surfaces.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by AHI Supply LP, P.O. Box 2789, Alvin, Texas 77512, 800-873-5794, marketing@ahi-supply.com, www.ahi-supply.com.
- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Water Repellent:
 - 1. Product: Tex Clean Masonry Sealer.
 - 2. Type: Water based, clear, ready-to-use water repellent coating.
 - 3. Produce water repellent effect without altering color or texture of substrate.

**** OR ****

- B. Water Repellent:
 - 1. Product: Tex Clean MI Masonry Sealer.
 - 2. Type: Water based, clear, ready-to-use water repellent coating with integral mildew inhibitors.
 - 3. Produce water repellent effect without altering color or texture of substrate.

PART 3 EXECUTION

3.1 PREPARATION

- A. Clean surfaces; remove loose and foreign matter that could impede penetration or performance of coating.
- B. Allow surfaces to dry completely before beginning application.

3.2 APPLICATION

- A. Apply coating in accordance with manufacturer's instructions.
- B. Apply coating using low-pressure spray at less than 30 PSI, roller, or brush to uniform coverage.
- C. Begin application at bottom of wall and work up.
- D. Smooth out runs and drips that do not penetrate using roller or brush.
- E. Allow coating to penetrate for 5 to 15 minutes, then apply second coat using same procedures as first coat.
- F. Apply at following rate for two coats unless otherwise determined by testing of mockup:
 - 1. [Cast-in-place concrete] [Precast concrete]: 100 to 200 square feet per gallon.
 - 2. [Concrete brick] [Concrete unit masonry]: 50 to 175 square feet per gallon.
 - 3. [Clay brick] [Clay masonry units]: 95 to 180 square feet per gallon.
 - 4. [Natural stone] [Manufactured stone]: 70 to 150 square feet per gallon.
 - 5. Plaster: 75 to 150 square feet per gallon.

3.3 FIELD QUALITY CONTROL

- A. After coating has dried, test surfaces with water spray; reapply to areas showing water absorption.

END OF SECTION