

Water Repellents

Section 07108 or 07 19 23
Water Repellant (Aqueous)

CONPRO SHIELD MX

PART I: GENERAL

1.01 DESCRIPTION

Provide labor, materials, equipment and supervision necessary to complete the application of product to existing substrate.

1.02 QUALITY ASSURANCE

Products shall be installed by a trained applicator with a minimum of five years experience and meet the requirements of the specifier.

1.03 SUBMITTALS

- A. Manufacturer's current product data bulletin.
- B. The trained applicator shall prepare a test panel of the repair installed on the actual structure as a submittal for approval of proper application.
- C. The trained applicator shall submit to the specifier a list of five projects that he has completed within the last five years, exhibiting the applicator's skills. The list shall include project name, location, and description of work and completion date.

1.04 PRODUCT DELIVERY, STORAGE & HANDLING

- A. Deliver all products and all accessories in original labeled, sealed, and undamaged containers or bundles.
- B. Store all products in accordance with manufacturer's printed instructions.
- C. Handle products in accordance with manufacturer's printed instructions.

1.05 JOB CONDITIONS

All products shall be applied at substrate and ambient temperatures of 40°F or above. A minimum temperature of 40°F shall be maintained 1 hour after completion of work. Protect products from weather and other damage for a period of 24 hours after installation. Do not apply products to frozen surfaces.

1.06 COORDINATION & SCHEDULING

The work requires close coordination with related sections and trades.

PART II: PRODUCTS

2.01 MANUFACTURERS

The following manufacturers are approved for the project.

Conproco Corporation

2.02 MATERIALS

Shield MX: A penetrating, siloxane water repellent, for both vertical and horizontal surfaces, that complies with all existing VOC regulations.

2.03 PERFORMANCE CHARACTERISTICS

General Physical Properties: The products shall meet or exceed the following performance standards:

Physical state and appearance		Liquid – slightly clouded
Base		Aqueous
pH		9
Percent solids by weight		11%
Volatile organic content – VOC	ASTM D3960	<50 gms./liter
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Active ingredients		Siloxane based
Water vapor transmission	ASTM E96	100%
Water penetration and leakage	ASTM E514	100% reduction

PART III: EXECUTION

3.01 GENERAL

- A. Installation shall be performed strictly in accordance with manufacturer’s current product data bulletin.
- B. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.
- C. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas and landscaping from contact due to mixing, handling, and application of materials.

3.02 SURFACE PREPARATION

Surfaces to be treated must be clean and free of frost, loose debris, coatings, dirt, mildew, oils and grease, or any other substance that would interfere with penetration.

3.03 MIXING

Mix until homogeneous. Do not use high-speed mixers or over mix.

3.04 APPLICATION

- A. Apply Conpro Shield MX by low-pressure spray.
- B. For vertical application, start at the top or bottom of the wall, slowly working in opposite directions using overlapping horizontal strokes to fully saturate the surface.
- C. On horizontal surfaces, start at one edge and work backwards, applying enough material to saturate the surface. When using Shield MX horizontally, care should be taken not to let product pond. If ponding occurs, excess material must be soaked up or broomed out.
- D. The surfaces must be permitted to dry after treatment for proper cure to take place. Refer to Data Sheet for additional application instructions.
- E. Always apply a sample to determine coverage and ensure there is no discoloration from contaminants, excess moisture in the substrate or from previously applied treatments.
- F. A single coat is usually sufficient, but on very porous surfaces, a second coat may be needed. Refer to the Data Sheet for additional application instructions.

3.05 CURING

Protect from moisture and traffic for eight hours. Material is fully cured in fourteen days.

3.06 JOB SITE CLEANUP

- A. Material left over at the job site by the approved applicator shall be removed.
- B. All adjacent surfaces and materials shall be cleaned.
- C. Clean glass with glass cleaner before material can dry.

*****END OF SECTION*****



17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820
TELEPHONE 800.258.3500 FAX 603.743.5744 WEB ADDRESS www.conproco.com