

Water Repellents

Section 07108 or 07 19 23
Water Repellant (Aqueous)

CONPRO SHIELD W20

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 area on the structure to determine rate of coverage potential for discoloration or darkening.
- 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 24 hours 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 W20: A penetrating, 20% solids siloxane water repellent for application to horizontal and vertical surfaces.

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		11.5
Percent solids by weight		20%
Volatile organic content – VOC	ASTM D3960	0 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 W20 by low pressure spray.
- B. Start at the bottom of the wall and work up, using overlapping horizontal strokes to fully saturate the surface. Work to natural breaks in the structure.
- C. On horizontal surfaces, start at one edge and work backwards, applying enough material to saturate the surface. Do not to let product pond. If ponding occurs, excess material must be soaked up with a sponge or rag, or broomed off.
- D. The surface must be permitted to dry after treatment for proper cure to take place. Clean any over spray from adjacent surfaces with soap and water before material can dry.
- E. Conpro Shield W20 is always a single coat treatment. 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*****



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