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# CLEAR SEAL W-100 WITH PROBAN

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## MANUFACTURER'S GUIDE SPECIFICATION

### PART 1 GENERAL

#### GENERAL

Clear Seal W-100 with PROBAN is intended for application on brick, stone, concrete and concrete masonry surfaces, especially surfaces that are prone to the development of mold and mildew. Clear Seal W-100 with PROBAN is designed for both exterior and interior surfaces. Clear Seal W-100 with PROBAN is designed to resist the penetration of water while allowing the surface to breath.

#### 1.01 Related sections

Concrete section 03300

Masonry section 04500

#### 1.02 Reference Documents

Reference shall be made to the following documents

- A. Applicable Local Building Codes
- B. ACI 515.1R guide to use of water proofing, damp proofing, protective and decorative barrier systems for concrete. (revised 1982)
- C. ACI 530. 1/ASCE 6-92 American Concrete Institute Building Code requirements for Masonry structures.

- D. ASTM standards and related commentary.

#### 1.04 SYSTEM DESCRIPTION

Surface Treatment System: provides a barrier to water passage from rain, irrigation, etc. through porous surfaces that are not subject to hydrostatic pressures of standing or puddle water. Clear Seal W-100 with PROBAN will allow the passage of water vapor due to vapor pressure and humidity variances. CLEAR SEAL W-100 with PROBAN will inhibit the growth of mold on an intact coating.

#### 1.05 QUALITY ASSURANCE

- A. Manufacturer shall be a company specializing in surface treatment of architectural surfaces for 5 years.
- B. Qualified installer shall be a contractor specializing in application of protective coatings.

#### 1.06 SUBMITTALS

Submit Clear Seal W-100 with PROBAN data and manufacturer's installation recommendations as required in Division 1 submittals.

Menomonie, WI. 54751  
Phone 1-800-846-3020

## 1.07 ENVIRONMENTAL REQUIREMENTS

- A. Clear Seal W-100 with PROBAN shall be applied where the surface to be treated and the air are within a temperature range of 40 -100°F. and the temperature range can be maintained for a minimum of 24 hours after application.
- B. Application of Clear Seal W-100 with PROBAN at temperature range of 40-100°F shall continue only after the surfaces are clean and dry.

## 1.08 DELIVERY, STORAGE AND HANDLING

- A. Delivery, storage and handling of Clear Seal W-100 with PROBAN shall be the responsibility of a qualified applicator.
- B. Clear Seal W-100 with PROBAN will be stored according to the requirements of local authorities. Protect containers of product from water, sparks, flames, excessive heat and poor ventilation.
- C. Maximum storage conditions are 120 degrees F, minimum conditions is 40F.

## 1.09 WARRANTY

Specifier's note – Clear Seal W-100 with PROBAN is warranted to be free from manufacturing defects for period of (2) years from date of manufacture.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

Protective Coatings Technologies Inc.  
5385 Freitag Drive  
Suite 1

### 2.02 MATERIAL

Clear Seal W-100 with PROBAN, a unique mold inhibitor, is a propriety aqueous emulsion of acrylic resins.

## PART 3 EXECUTION

### 3.01 EXAMINATION OF APPLICATION SURFACE

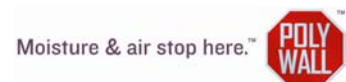
The decision to apply Clear Seal W-100 with PROBAN is based on a number of considerations. Anticipation of vapor pressure and exposure conditions is primary. Anticipation of mold causing environments such as long term expectation of relative humidity of above 60 percent or cold surfaces causing moisture vapor condensation is also a valid consideration.

In below grade applications Clear Seal W-100 with PROBAN is not a replacement for good water proofing practices.

- A. Prior to application of Clear Seal W-100 with PROBAN, the acceptability of the surface to receive the coating shall be determined by the owner or the owner's representative in order to establish that the surfaces to be covered are in accordance with contracts of allied trades.
- B. Surfaces should be clean and dry.
- C. All mortar joints shall be struck flush and brushed finished, free of voids, cracks and extruded mortar.

### 3.02 PREPARATION

All surfaces to be coated shall be dry and free of any dirt or other contaminants. Mortar smears on



the surface shall be removed. Any form release compounds shall be removed.

### 3.03 APPLICATION

A. **Safety Considerations** – The work areas during application shall be well ventilated and restricted to only Applicators. The following safety precautions shall apply:

1. Smoking and introduction of flames, sparks, electric arcs, etc. shall not be allowed.
2. Applicators shall wear a NIOSH approved disposable organic vapor respirator. Medical approval shall be obtained for each person who will require a mask, individually fit.
3. A working fire extinguisher, type ABC, shall be available in all vehicles, near truck doors and in the work area.
4. All trucks, barrels and spray equipment shall be grounded.

#### B. **Application – General:**

1. Work area should be heated to minimum of 40°F or cooled to 100°F and well ventilated. Applicators should wear eye protection and avoid direct contact with product.
2. Application can be by brush, roller or airless spray. Sprayer shall be Flo-Jet airless, 60 to 100 psi, two gallon per minute, with a spray tip size: 2501. or equal. Insure complete coverage is obtained.
3. Horizontal surfaces coated with Clear Seal W-100 with PROBAN may require broadcasting of silica sand to improve the slip resistance of the coated surface.
4. Coverage rate will vary depending on the porosity of the surface to be treated. Coverage rates of 150 -250 square feet per gallon is normal. Once product dries, Clear Seal W-100 with PROBAN

is difficult to visually detect with the naked eye but can be seen with the assistance of a black light.

5. Over sprayed areas can be cleaned with water while the product is wet. Once dried, it will require a solvent such as xylene.
6. Allow 24 hours for surface to dry after application before placing in surface; Allow 6 hours for recoating.

### 3.04 FIELD QUALITY CONTROL

The wet thickness of surface treatment applied shall reflect both proper thickness and coverage. Coverage shall be established by calculating the square footage covered per gallon. The coverage shall be continuous. Use Black light to visually inspect dry film continuous coverage.