

# Concrete Repair

**Section 03371 or 03 39 23.13  
Water Based Curing Compound**

**CONPRO C309 CURE & SEAL**

## **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**

Manufacturer's current product data bulletin.

### **1.04 PRODUCT DELIVERY, STORAGE & HANDLING**

- A. Deliver all products and 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**

Conpro C309 Cure & Seal: Acrylic curing, sealing and dust proofing compound. Meets ASTM C309, Type 1 Class A or B.

## 2.03 PERFORMANCE CHARACTERISTICS

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

Physical state and appearance		White – milky liquid
Base		Aqueous
Polymer		100% acrylic
pH		>9.0
Percent solids by weight		15%
Flash point	ASTM D56	>200°F Seta cc
Viscosity	ASTM D562	Similar to water
Volatile organic content – VOC	ASTM D3960	Less than 60 gms./liter
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Drying time	ASTM C309	Less than 4 hours @ 72°F & 50% RH
Specification for concrete curing compounds	ASTM C309	Type 1 – Class A and B
Water retention	ASTM C156	Loss was less than 0.55 kg./m. <sup>2</sup>
Degree of setting	ASTM D1309	9– pass– required rating is 4 or higher

## **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**

- A. Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper contact with substrate.
- B. Protect adjacent areas from overspray.

### **3.03 PRIMING**

Priming is not necessary.

### **3.04 MIXING**

Stir or shake container.

### **3.05 APPLICATION**

- A. Spray, roll, or brush Conpro C309 Cure & Seal in continuous uniform 6 mils. wet application.
- B. For roller applications use a 3/8 - 1/2 inch synthetic nap roller depending on texture of substrate.
- C. For spray applications use a low-pressure sprayer.
- D. For curing apply 1 coat.
- E. To seal and dustproof, 2 coats are required.
- F. Apply in 2 passes at 90° to one another to ensure complete coverage.
- G. The second coat may be applied after construction work is complete and ready for occupancy.

**3.06 CURING**

- A. Allow drying 4 hours @ 72°F for light foot traffic and between coats.
- B. Allow 24 hours @ 72°F for normal traffic.

**3.07 JOB SITE CLEANUP**

- A. Material left over at the job site by the approved applicator shall be removed.
- B. Clean tools and equipment with water immediately after use.
- C. Cured material must be removed mechanically.

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



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