

# Conpro Start

## Division 3: Concrete

A water-based consolidant, used to stabilize and strengthen concrete, masonry and stone.

### SECTION 030130 – MAINTENANCE OF CAST IN PLACE CONCRETE

#### PART 1 GENERAL

##### 1.1 SUMMARY

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

##### 1.2 SYSTEM DESCRIPTION

The products shall meet or exceed the following performance requirements:

Base		Aqueous	
pH		greater than 12	
Actives type		Inorganic mineral silicate	
Solvent system		Water	
Percent solids by weight		8.35 percent	
Flash point	ASTM D56	Greater than 200 degrees F	
Density of liquid coatings	ASTM D1475	8.4 pounds per gallon	
Gain on mortar:		psi	percent gain
Compressive strength	ASTM C109		
Prior to treatment		990	
After treatment		1700	71
Gain on old concrete:		psi	percent gain
Compressive strength	ASTM C109		
Prior to treatment		3700	
After treatment		3900	8

##### 1.3 SUBMITTALS

- A. Manufacturer’s current product data bulletin.
- B. The trained applicator shall prepare a test area on the structure as a submittal for approval of proper application and adhesion.
- 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.

##### 1.4 QUALITY ASSURANCE

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

## 1.5 DELIVERY, STORAGE & HANDLING

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

## 1.6 PROJECT/SITE CONDITIONS

- A. All products shall be applied at substrate and ambient temperatures of 40 degrees F or above.
- B. A minimum substrate and ambient temperature of 40 degrees F shall be maintained for 8 hours after completion of work.
- C. Do not apply products to frozen surfaces.

## 1.7 SCHEDULING

The work requires close coordination with related sections and trades.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

The following manufacturers are approved for the project.  
Conproco

### 2.2 MATERIALS

Conpro Start: A water-based consolidant, used to stabilize and strengthen concrete, masonry and stone.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- 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.

### 3.2 SURFACE PREPARATION

- A. Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper penetration.
- B. Follow the specific surface preparation instruction for the material to be used.
- C. Protect adjacent areas from overspray.

### 3.3 APPLICATION

#### A. Mixing

1. No additives of any kind shall be added to the product.
2. Stir or shake container.

#### B. Application

1. Always apply a test area to determine suitability of application. A white film can develop on dense surfaces or surfaces previously treated with water repellents. Clean immediately with acetic or other milk acid. After 24 to 48 hours it will be necessary to remove material mechanically.
2. For roller applications use a 3/8 to 1/2-inch synthetic nap roller depending on texture of substrate.
3. For spray applications use a low-pressure or airless sprayer.
4. Thoroughly saturate the surface to ensure adequate penetration.
5. For horizontal applications apply liberally and brush out to eliminate ponded material.
6. Additional coats can be applied when the previous treatment is dry to touch.
7. Do not allow material to pond.
8. Allow 12 hours before the primer or coating is applied to treated surfaces.

#### C. Curing

1. No curing procedures are required.

### 3.4 CLEANING

- A. Clean windows with glass cleaner immediately.
- B. Material left over at the job site by the approved applicator shall be removed.
- C. All adjacent surfaces and tools shall be cleaned.
- D. Any foreign material resulting from the work of the approved applicator shall be removed.

END OF SECTION 030130