

# Conpro Start

**Spray, roller or brush applied, water based consolidant, used to stabilize and strengthen concrete, masonry and stone.**

**WHERE TO USE**  
**Restore surface integrity and strengthen substrate prior to application of coatings or repair materials.**

## **PERFORMANCE CHARACTERISTICS**

### **Anti-carbonation**

- Reacts with calcium hydroxide, increases surface density.

### **Penetrating treatment**

- Does not form a surface film or inhibit bond of subsequent materials such as coatings or repair mortars.

### **Environmentally friendly**

- Water based, low odor, non-flammable.

### **Strengthen gain**

- Increases compressive strengths of cement based materials.

### **Breathability**

- Water vapor permeable.

### **Low viscosity**

- Deep penetration.

### **Single component**

- No mixing required.

## **SURFACE PREPARATION**

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

## **PRIMING**

- Priming is not necessary.

## **MIXING**

- Stir or shake container.

## **APPLICATION**

- Always apply a test area to determine suitability of application.
- For roller applications use a 3/8 - 1/2 inch synthetic nap roller depending on texture of substrate.
- For spray applications use a low pressure or airless sprayer.
- Thoroughly saturate the surface to ensure adequate penetration.
- For horizontal applications apply liberally and brush out to eliminate ponded material.
- Additional coats can be applied when the previous treatment is dry-to-touch.

## **CURING**

- No curing procedures are required.
- Allow 12 hours before repair mortar or coating is applied to treated surfaces.

## **CLEAN UP**

- Clean tools and equipment with water.
- Clean windows with glass cleaner.

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## COVERAGE/YIELD

- 80 - 150 ft.<sup>2</sup>/gal. depending on porosity of treated surface.
- Apply a test sample to determine actual coverage.

## PRODUCT HANDLING

### Packaging

- 1, 5 and 55 gallon containers.

### Shelf Life

- 18 months in unopened containers.

### Storage

- Protect from freezing.
- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature will reduce shelf life.

## LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 8 hours. Refer to ACI Cold Weather Application Guidelines.
- Protect glass from overspray. Clean glass immediately with glass cleaner.
- A white film can develop on dense surfaces or surfaces previously treated with water repellents. Clean immediately with acetic or other mild acid. After 24 - 48 hours it will be necessary to use mechanical abrasion to remove film.
- The effectiveness will vary depending upon the porosity and chemical composition of the substrate. A test application should be performed to determine performance on a specific substrate.
- Always apply a test sample on brick to determine any visibly undesirable effects, e.g. white crystalline film.
- Do not allow material to pond.

## HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid contact with eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.

## FIRST AID

- In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional. For respiratory problems, remove person to fresh air. If respiratory difficulty persists, contact a medical professional.

## DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

## TECHNICAL DATA

Physical state and appearance	Slightly clouded liquid	
Base	Aqueous	
Odor	Slight alcohol	
pH	>12	
Actives type	Inorganic mineral silicate	
Solvent system	Water	
Percent solids by weight	8.35%	
Flash point	ASTM D56	>200°F Seta cc
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
<b>Gain on mortar</b>		<b>psi</b> <b>% gain</b>
Compressive strength	ASTM C109	
Prior to treatment		990
After treatment		1700      71
<b>Gain on old concrete</b>		<b>psi</b> <b>% gain</b>
Compressive strength	ASTM C109	
Prior to treatment		3700
After treatment		3900      8

### FOR PROFESSIONAL USE ONLY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. January 2005.

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**conproco**<sup>®</sup>  
CORPORATION

17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820  
TELEPHONE 800.258.3500 • FAX 603.743.5744 • WEB ADDRESS [www.conproco.com](http://www.conproco.com)