



# Foundation Coat

**Trowel or spray applied,  
 fiber reinforced,  
 Portland cement based,  
 structural coating.**

**WHERE TO USE**  
**Permanent positive side  
 waterproofing of below-grade  
 concrete block walls.**

## PERFORMANCE CHARACTERISTICS

### Waterproof barrier

- Passes CRD-48 (Resistance to hydrostatic pressure).

### Radon barrier

- Stops radon infiltration.

### Durable

- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.

### Breathability

- Allow moisture to diffuse, preventing damage from moisture build-up in wall system.

### Structural

- When applied to both sides of dry stacked concrete block to form a complete wall system.

### Attractive

- Smooth or texture finish on the above-grade portion of foundation enhances overall appearance. Can be used on interior foundation walls for added protection with a plaster finish.

### IRC and IBC approved

- For structural wall system and waterproofing.

## SURFACE PREPARATION

- Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
- Repair spalled areas, static cracks and voids with *Conpro Set* or *Foundation Coat*.
- Substrate should have open-pored and textured surface.
- Saturate substrate with clean water, (saturated surface dry/SSD). Wall should be wet when *Foundation Coat* is applied.
- For best results on concrete grind or abrasive blast (CSP 3). Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Profile (CSP).

## PRIMING

- No priming is required under normal circumstances.

## MIXING

- Mechanically mix using a low speed drill (400 - 600 rpm) and mixing paddle or mortar mixer.
- Pour 5-1/4 quarts of potable water into a clean mixing vessel and slowly add all of the powder.
- Mix continuously for 3 minutes to a uniform, lump-free consistency.
- Add up to 1 pint of additional water if needed.
- Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
- Do not over mix, as this will entrain air and cause damage to the glass fibers.
- Replace 1 quart of water with 1 quart of *K-88 Admix* when applying additional coats.

## APPLICATION

- At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
- Trowel or spray apply material to a uniform minimum of 1/8 inch.
- Cove material at junction of wall and slab to prevent water entry.
- Apply with a vertical motion and finish with a horizontal motion.

## CURING

- Keep damp with a fine mist of water for 24 hours.
- Protect from direct sunlight, wind, rain and frost during curing period.

## CLEAN UP

- Clean tools and equipment with water immediately after use. Cured material must be removed mechanically.

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## COVERAGE/YIELD

- 50 ft.<sup>2</sup>/50 lbs. @ 1/8 inch.

## PRODUCT HANDLING

### Packaging

- 50 lbs. multi-wall, poly lined bags.

### Shelf Life

- 12 months when properly stored.

### Storage

- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature or high humidity will reduce shelf life.

## LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
- Cold mixing water and low temperature will retard set. Hot water and high temperature will accelerate set.
- Protect application from precipitation and high wind for at least 8 hours.
- Do not add more water than specified.
- Do not re-temper as this will damage the fiber glass reinforcing.
- Avoid overworking material during placement.
- Over mixing will cause damage to the fiber glass reinforcing.

## HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and 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.

## DISPOSAL

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

## TECHNICAL DATA

Physical state and appearance		Gray or white powder with glass fibers
Base		Portland cement
pH	Wet mix	>12
Water/cement ratio		0.55
Setting time by vicat needle	ASTM C191	Initial 60 minutes – Final 270 minutes
Durometer hardness	ASTM D2240	60 - 70
Water penetration and leakage	ASTM E514	100% reduction
Resistance to hydrostatic pressure	CRD-48-73	Passes at 46 ft. (20 psi) maximum of test
Carbon-arc weathering	ASTM G152	2000 hours – no effect
Length change	ASTM C157	<500 µstrains @ 28 days
		<b>7 Days</b> <b>14 Days</b> <b>28 Days</b>
Compressive strength – psi	ASTM C109	3325    3500    4240
With 2 quarts of K-88 Admix		5550    6050    6490
Tensile strength – psi	ASTM C307	560    620    680

### Allowable design stress based on gross area of the CMU (IBC)

Compressive stress – psi	
Standard block	45
Ground block	85
Shear stress	10
Tensile stress in flexure, vertical span – psi	18

#### 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. July 2009.

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