

# Plastermix

Trowel, sponge float, or spray applied, Portland cement finish coating for concrete.

**WHERE TO USE**  
Fill voids and provide a uniform finish to cast concrete.

## PERFORMANCE CHARACTERISTICS

### Long term protection

- Density and thickness provide resistance to carbonation.

### Enhanced aesthetics

- Significantly improves the natural appearance of concrete, filling voids, sealing pores and adding subtle, uniform texture.

### Improves performance of supplemental coatings

- Fills voids and pores that coatings don't, providing uniform, monolithic base for protective coatings, such as *Conpro Lastic*, *Super Color Stain VO* and *Color Coat*.

### Anti-carbonation system

- Combined with *Conpro Lastic* provides protection from carbonation, chlorides and other environmental pollutants.

### Economical

- High production, easy to apply by spray, trowel or sponge float.

## 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*.
- Substrate should have open-pored and textured surface.
- For best results grind or abrasive blast (CSP 3). Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Preparation (CSP).
- Apply *Conpro Start* where a consolidant is of benefit.
- Saturate substrate with clean water, (saturated surface dry/SSD). Wall should be wet when *Plastermix* is applied.

## 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 3-3/4 quarts of potable water into a clean mixing vessel and slowly add all of the powder.
- Add 1 quart of K-88 Admix (replacing 1 quart of water) per bag of material to increase adhesion and aid in curing, when the substrate is very dense and/or when rapid evaporation will occur due to high wind and high temperature.
- 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 excess air.

## APPLICATION

- At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
- Bagging – add additional water, mix to a slurry consistency. Apply with a sponge float to fill voids and bug holes.
- Texture coat – apply with a trowel. Allow material to take up to thumb-print hard. Apply second application with a trowel and finish with a sponge float.
- Do not exceed 1/16 inch total thickness.

## CURING

- Keep damp with a fine mist of water.
- 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

- 100 ft.<sup>2</sup>/50 lbs. @ 1/16 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 24 hours.
- Do not add more water than specified.
- Avoid overworking material during placement.

## 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		Fine, gray or white powder		
Base		Portland cement		
pH		>12		
Setting time by vicat needle	ASTM C 191	Initial 60 minutes – Final 285 minutes		
Percent air by volumetric	ASTM C 173	6%		
		<b>7 Days</b>	<b>14 Days</b>	<b>28 Days</b>
Compressive strength – psi	ASTM C 109	2900	3000	3400
Tensile strength – psi	ASTM C 307	400	500	600

### 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. June 2006.

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