

Conpro Top Coat

**Trowel, roller
or spray applied,
polymer modified,
Portland cement based,
waterproof coating.**

WHERE TO USE
**Decorative coating for
balconies, walkways, driveways,
planters and parapets. Ideal for
pedestrian and light vehicular traffic.**

PERFORMANCE CHARACTERISTICS

Waterproof

- Positive side waterproofing membrane.

Decorative

- Available in 14 colors to complement surroundings.

Durable

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

Very low permeability

- Resistant to deicing salts, chloride and chemical attack, carbonation and environmental pollution.

Breathability

- Will not cause damage to structure by restricting moisture vapor flow. Ideal for slab-on-grade.

Cementitious

- Low maintenance, long term protection.

Two component

- Pre-measured, pigment liquid with powder in one container for consistent performance.

Color choices

- Available in 14 standard colors

SURFACE PREPARATION

- Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
- Remove a minimum 1/16 inch of surface (CSP 5) by abrasive blasting, steel shotblasting, scarifying, needle-scaling or high pressure water.
- Avoid bruising or micro cracking during surface preparation.
- Refer to ICRI Surface Preparation Guide 03732.
- A minimum application of 60 mils. is required.
- Apply *Conpro Start* where a consolidant is of benefit.
- Saturate substrate with clean water, (saturated surface dry/SSD), with no standing water during *Priming* or *Application*.

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.
- Thoroughly shake *Conpro Top Coat* admix to disperse the pigment.
- Pour *Conpro Top Coat* admix into a clean mixing vessel, add 3 quarts of potable water 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.
- Additional water will affect final color. For multiple batches do not vary the water addition rate.
- Do not over mix, as this will entrain excess air.
- Do not re-temper.

APPLICATION

- At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
- Non-structural cracks, up to 1/16 inch, do not need special preparation.
- Dynamic cracks, joints and transitions (wall-to-slab) must be properly detailed with a closed cell backer rod and polyurethane sealant. Refer to SWRI Sealants, *The Professionals' Guide*. Terminate *Conpro Top Coat* at the sealant.
- Apply a 60 mils. coat over the entire surface with a stiff bristle brush, heavy nap roller, sponge float, squeegee or spray.
- Work material into substrate to promote proper adhesion.
- Do not exceed 70 mils. per coat thickness.
- For added protection and longer life, apply a second coat.
- Additional coats may be applied as soon as the first coat is dry-to-touch.
- Finish with a sponge float or trowel.
- Do not overwork the finish.

CURING

- Protect from direct sunlight, wind, rain and frost during curing period.
- Color will vary due to differences in suction of the substrate, surface temperature and curing rate.

CLEAN UP

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

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COVERAGE/YIELD

- 130 ft.²/50 lbs. kit @ 60 mils.

PRODUCT HANDLING

Packaging

- 50 lbs. bag and 1 gallon of *Conpro Top Coat* admix.

Shelf Life

- 18 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.
- Protect admix from freezing.

LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 45°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 re-temper, this will damage the cross-linking of the polymer and cause cracking and loss of bond.
- Do not add more water than specified – this will lower strengths, cause shrinkage cracking and affect final color.
- Avoid overworking material during placement and finishing – this will produce surface (map) cracking and affect final color.
- Substrate conditions, weather, and rate of hydration will affect final color.
- Do not place rubber mats or equivalent for 14 days.

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, white powder and admix		
Base				
Powder		Portland cement		
Liquid		Acrylic admixture		
Density	Wet mix	93 lbs./ft. ³		
Dry bulk Density	ASTM C188	110 lbs./ft. ³		
Working time		60 minutes @ 75°F		
Setting time by vicat needle	ASTM C191	240 minutes		
Durometer hardness	ASTM D2240	70		
Resistance to hydrostatic pressure	CRD-48-73	45 ft. head of water – no leakage – 2 coats		
Carbon-arc weathering	ASTM G152	2000 hours – excellent – no effect		
Length change	ASTM C157	<1100 µstrains @ 28 days		
		7 Days	14 Days	28 Days
Compressive strength – psi	ASTM C109	4000	4200	4650
Tensile strength – psi	ASTM C307	200	250	350

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. October 2010.

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