

Conpro Primer

**Spray, roller or brush applied,
long open time,
water based bonding primer.
Meets requirements
of ASTM C882.**

**WHERE TO USE
Bonding primer
for overlays
and repair materials,
to hardened concrete.**

PERFORMANCE CHARACTERISTICS

Single component

- No mixing, no waste.

Long open time

- Apply up to 72 hours before placing covering material.

Color trigger

- Pink when applied, turns orange when ready for covering material – about 30 minutes.

Alkali trigger

- Alkalinity of cement causes material to react.

Breathability

- Water vapor permeable.

Non re-emulsifying

- Once cured will not be affected by water.

Environmentally friendly

- Water based, low odor, non-flammable.

Easy to use

- Spray with low pressure or airless sprayer.

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.
- When placing fresh concrete expose aggregate of existing substrate a minimum of 1/8 inch (CSP 6). Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Profile (CSP).
- Protect adjacent areas from overspray.

PRIMING

- *Conpro Primer* is a priming treatment that is applied in a thin, uniform application.

MIXING

- Stir or shake container.

APPLICATION

- Spray, roll, or brush *Conpro Primer* in a thin, uniform application. Do not allow *Conpro Primer* to form a surface film. It is critical to avoid excessive *Conpro Primer* thickness as this will result in a cohesive adhesion failure and delamination. On scarified horizontal applications, broom *Conpro Primer* immediately after spraying to avoid ponding. *Conpro Primer* is formulated to penetrate into the substrate.
- 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.
- Apply to all surfaces to receive covering material including the edges perpendicular to the repair zone.
- The material is pink when applied.
- The material will turn orange when dry – approximately 30 minutes @ 70°F and 50° RH.
- Apply covering material when *Conpro Primer* is orange.
- Install covering material within 72 hours.
- Re-apply *Conpro Primer* if more than 72 hours passes without placing covering material.

CURING

- No curing is required.

CLEAN UP

- Clean tools and equipment with water.

Conpro Primer

COVERAGE/YIELD

- 150 - 200 ft.²/gal. depending on porosity of treated surface.
- Apply a test sample to determine actual coverage.

PRODUCT HANDLING

Packaging

- 1 and 5 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.
- Do not use *Conpro Primer* in lieu of proper surface preparation. Refer to ICRI Surface Preparation Guidelines for complete information.
- Contact Conproco for information on using *Conpro Primer* for DOT applications.
- Protect adjacent surfaces, *Conpro Primer* is pigmented and will discolor porous surfaces.
- Do not apply to frozen substrates.
- Do not apply on painted surfaces.
- Use caution when spraying in windy conditions.

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		Orange, milky liquid
Base		Aqueous
Polymer		100% acrylic
pH		>9.0
Percent solids by weight		31%
Flash point	ASTM D56	>200°F Seta cc
Viscosity	ASTM D562	50 KU – paint paddle
Volatile organic content – VOC	ASTM D3960	1 gm./liter
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Resistance to chemicals	ASTM D1308	NaOH solution – excellent
Standards for latex bonding primers	ASTM C1059	Type 11 – exterior use
Mandrel bend	ASTM C522	No cracking over 1 inch material
Slant shear bond strength	ASTM C882	1850 psi – air cure
Heat stability	ASTM C932	Pass – 30 days @ 140°F
		3 Days 7 Days 14 Days
Tensile bond strength	ASTM C932	
100% cohesive in concrete patch – psi		190
80% cohesive in concrete patch – psi		410
80% cohesive in concrete patch – psi		525

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. April 2011.

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