

1. PRODUCT NAME

Conproco® Conpro Primer

2. MANUFACTURER

TCC Materials®
2025 Centre Pointe Blvd.
Mendota Heights, MN 55120 USA
Phone: 1.651.688.9116
Web: tccmaterials.com

3. PRODUCT DESCRIPTION

Conproco Conpro Primer is a spray, roller or brush applied, long open time, water based bonding primer. Conpro Primer is a bonding primer for overlays and repair materials to hardened concrete. Meets requirements of ASTM C882.

Features and Benefits

- Single component - No mixing, no waste.
- 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.
- Breathable - 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.

When/Where to Use

- Overlays
- Repair materials

4. TECHNICAL DATA

Typical Values • Primer	
Physical State & Appearance	Orange, milky liquid
Base	Aqueous
Polymer	100% acrylic
pH	>9.0
% Solids by Weight	31%
Flash Point (ASTM D56)	>200°F Seta cc
Viscosity (ASTM D562)	50 KU - paint paddle
VOC (ASTM D3960)	1 g/L
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

Typical Values • Primer cot.

Slant Shear Bond Strength (ASTM C882)	1,850 psi - air cure
Heat Stability (ASTM C932)	Pass - 30 days @ 140°F
Tensile Bond Strength (ASTM C932)	
100% Cohesive in Concrete Patch - psi	3 days: 190
80% Cohesive in Concrete Patch - psi	7 days: 410 psi 14 days: 525 psi

Available Sizes

- 1 gallon containers (BOM# 115273)
- 5 gallon containers (BOM# 115409)

Coverage

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

5. INSTALLATION

Preparation

Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.

1. Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper penetration.
2. Follow the specific surface preparation instruction for the Conproco material to be used.
3. 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.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Mixing

- Stir or shake container

Application

1. 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.
2. On scarified horizontal applications, broom Conpro Primer immediately after spraying to avoid ponding. Conpro Primer is formulated to penetrate into the substrate.
3. For roller applications use a 3/8 - 1/2 inch synthetic nap roller depending on texture of substrate.

CONPRO PRIMER

Application cont.

4. For spray applications use a low pressure or airless sprayer.
5. Apply to all surfaces to receive covering material including the edges perpendicular to the repair zone.
6. The material is pink when applied.
7. The material will turn orange when dry – approximately 30 minutes @ 70°F and 50° RH.
8. Apply covering material when Conpro Primer is orange.
9. Install covering material within 72 hours.
10. 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.

Limitations

1. 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.
2. Do not use Conpro Primer in lieu of proper surface preparation. Refer to ICRI Surface Preparation Guidelines for complete information.
3. Contact Conproco for information on using Conpro Primer for DOT applications.
4. Protect adjacent surfaces, Conpro Primer is pigmented and will discolor porous surfaces.
5. Do not apply to frozen substrates.
6. Do not apply on painted surfaces.
7. Use caution when spraying in windy conditions.
8. Do not ingest.
9. Avoid contact with skin & eyes.

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com

- 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.

Cautions

Read complete cautionary information printed on product container prior to use. This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Conproco brand product(s) under normal environmental and working conditions. Because each project is different, TCC Materials cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

6. AVAILABILITY

To locate Conproco products in your area, please contact:

Phone: 1.651.688.9116
Email: info@tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

Shelf Life	18 months in unopened containers.
Storage Conditions	Transport and store in cool, clean, dry conditions in unopened containers. High temperature or high humidity will reduce shelf life. Protect from freezing.
Color	Goes on pink, dries orange
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	



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