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.

**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.

**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

**Curing**
- No curing is required.

**Clean Up**
- Clean tools and equipment with water.
## Conpro Primer

### Coverage/Yield
- 150 - 200 ft²/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 Safety Data Sheet (SDS) for additional information.

### First Aid
- In case of skin contact, wash thoroughly with soap and water.
- In case of 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 and federal regulations.

### Technical Data

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Orange, milky liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>Aqueous</td>
</tr>
<tr>
<td>Polymer</td>
<td>100% acrylic</td>
</tr>
<tr>
<td>pH</td>
<td>&gt;9.0</td>
</tr>
<tr>
<td>Percent solids by weight</td>
<td>31%</td>
</tr>
<tr>
<td>Flash point</td>
<td>ASTM D56</td>
</tr>
<tr>
<td></td>
<td>&gt;200°F Seta cc</td>
</tr>
<tr>
<td>Viscosity</td>
<td>ASTM D562</td>
</tr>
<tr>
<td></td>
<td>50 KU – paint paddle</td>
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<tr>
<td>Volatile organic content – VOC</td>
<td>ASTM D3960</td>
</tr>
<tr>
<td></td>
<td>1 gm./liter</td>
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<tr>
<td>Density of liquid coatings</td>
<td>ASTM D1475</td>
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<tr>
<td></td>
<td>8.4 lbs./gal.</td>
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<tr>
<td>Resistance to chemicals</td>
<td>ASTM D1308</td>
</tr>
<tr>
<td></td>
<td>NaOH solution – excellent</td>
</tr>
<tr>
<td>Standards for latex bonding primers</td>
<td>ASTM C1059</td>
</tr>
<tr>
<td></td>
<td>Type 11 – exterior use</td>
</tr>
<tr>
<td>Mandrel bend</td>
<td>ASTM C922</td>
</tr>
<tr>
<td></td>
<td>No cracking over 1 inch material</td>
</tr>
<tr>
<td>Slant shear bond strength</td>
<td>ASTM C882</td>
</tr>
<tr>
<td></td>
<td>1850 psi – air cure</td>
</tr>
<tr>
<td>Heat stability</td>
<td>ASTM C932</td>
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<tr>
<td></td>
<td>Pass – 30 days @ 140°F</td>
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<tr>
<td>Tensile bond strength</td>
<td>ASTM C932</td>
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<tr>
<td></td>
<td>3 days 7 Days 14 Days</td>
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<tr>
<td>100% cohesive in concrete patch – psi</td>
<td>190</td>
</tr>
<tr>
<td>80% cohesive in concrete patch – psi</td>
<td>410</td>
</tr>
<tr>
<td>80% cohesive in concrete patch – psi</td>
<td>525</td>
</tr>
</tbody>
</table>

### FOR PROFESSIONAL USE ONLY
Conproco warrants this product for one year from the date of manufacture 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. January 8, 2016.

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