TEX∙COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COTE)

COTE® (CURE AND COTE) reduces the application time and cost of rubbing, grouting and sacking of concrete. Specia-
ly formulated for bridge systems, factor-

DESCRIPTION
TEX∙COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COTE) is a water-
based high-build, advanced epoxy-
acrylate resin system. This material is
specially formulated to function both as a
concrete curing compound and as a con-
crete protective coating for use over newly
formed/poured concrete surfaces. It is
used for the protection and beautification
of bridges and above-grade surfaces such
as concrete barrier walls, bridge parapets,
columns, piers, retaining walls, etc.
TEX∙COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COTE) may vary

APPLIANCE
Application Equipment
Spray on application—Provide spray
equipment similar to Graco 10:1 President
or GM 1030 for smooth, sand, fine and
course textures. High volume commercial
grade airless spray equipment may be
used for the smooth texture version.
TEX∙COTE® application manual available
upon request.
Roll on application—May be used for se-
lected applications, depending on texture
desired. Short, medium or long nap rollers
may be used for standard application de-
pending on texture. Overall appearance
depends on application technique. Mock-
up sample for architect/ owner approval is
recommended.
Surface Preparation
Surface preparation by the general con-
tractor prior to the application of an ap-
plied finish coating shall consist of a gen-
eral surface finish in accordance with the
specific requirements of the state trans-
portation department or governmental
agency. Surface to be coated shall be
free from efflorescence, flaking coatings,
oil, curing compounds, release agents and
other laitance prior to the application of
the applied coating. Curing compound and

FEATURES
- High-build textured coating
- One-coat application
- Apply to uncurd or damp concrete
- Tremendous bond with concrete
- Lasts years longer than traditional
pastes and coatings
- Can be used as concrete curing com-

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free from efflorescence, flaking coatings,
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other laitance prior to the application of
the applied coating. Curing compound and
release agent must be removed and may
require light sandblast or water blast at a
minimum of 2500 PSI or greater. Test the
wall for coating acceptability prior to the
application of coating. This can be done
by spraying the wall with water. If the wa-
ter soaks into the wall, the wall is properly
prepared and can be coated when dry. If
the water beads up and is repelled, the
wall requires further cleaning prior to ap-
lication of the coating. Sack and patch
shall not be applied over the coating. This
practice may void warranty. All sacking
and patching should be completed prior to
coating application.
Application of Coating
Coverage rates vary depending on chosen
texture. Typical coverage rate is 50 +/- 10
square feet per gallon.
Manufactured to meet Federal Specifica-
tion TTC-555B performance requirements.
The application of 50 square feet per gal-

MAINTENANCE
No special maintenance is required. Should
TEX∙COTE® XL 70® C “W” BRIDGE
COTE® (CURE AND COTE) become
soiled, clean with light water pressure and
mild detergent.
Clean Up
Clean up tools or wet material with soap
and water immediately after application. If
dry, use acetone or methyl ethyl ketone
( M.E.K. ).

VOC COMPLIANCE
All TEX∙COTE® products comply with
federal and state Volatile Organic Com-
 pound (VOC) rules and regulations.
Please contact your nearest TCA office for
assistance on the local VOC compliance in
the area of intended use.
## TECHNICAL DATA

### Applicable Standards / American Society for Testing Materials:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Property</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D6904</td>
<td>Resistance to Wind Driven Rain</td>
<td>Pass No Leakage</td>
</tr>
<tr>
<td>AASHTO R31</td>
<td>Freeze Thaw Resistance</td>
<td>Pass 30 Cycles—No Disbondment</td>
</tr>
<tr>
<td>ASTM D1653</td>
<td>Water Vapor Transmission</td>
<td>15.0 Perms</td>
</tr>
<tr>
<td>ASTM D968</td>
<td>Abrasion Resistance</td>
<td>Pass 3000 Liters of Sand, no coating loss</td>
</tr>
<tr>
<td>ASTM B117</td>
<td>Salt Fog Resistance</td>
<td>2000 Hours No Disbondment</td>
</tr>
<tr>
<td>ASTM D4587</td>
<td>Cyclic Weathering</td>
<td>Pass 2000 Hours</td>
</tr>
<tr>
<td>ASTM D3273</td>
<td>Fungal Resistance</td>
<td>10 Rating</td>
</tr>
<tr>
<td>ASTM C666</td>
<td>Resistance of Concrete to Rapid Freezing and Thawing @ 300 cycles</td>
<td>Durability factor 90.5, Weight loss 1.6%, Surface Rating 3</td>
</tr>
<tr>
<td>ASTM C309</td>
<td>Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete</td>
<td>Meets State DOT Requirements</td>
</tr>
<tr>
<td>ASTM C156</td>
<td>Water Loss @ 72 hours ≤ 0.55 kg/m²</td>
<td>Pass</td>
</tr>
<tr>
<td>ASTM E1347</td>
<td>Reflectance</td>
<td>Pass—82.7%</td>
</tr>
<tr>
<td>ASTM C309</td>
<td>Drying Time</td>
<td>40 Minutes</td>
</tr>
<tr>
<td>ASTM D1309</td>
<td>Long Term Settling</td>
<td>9 Rating</td>
</tr>
<tr>
<td>ASTM D2369</td>
<td>Solids</td>
<td>57.6%</td>
</tr>
<tr>
<td>ASTM C309</td>
<td>Deleterious Reactions</td>
<td>None</td>
</tr>
</tbody>
</table>

### Technical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids by Weight</td>
<td>50-60% Typical</td>
</tr>
<tr>
<td>Solids by Volume</td>
<td>40-50% Typical</td>
</tr>
<tr>
<td>Weight per gallon</td>
<td>11.0 lbs. Typical</td>
</tr>
<tr>
<td>VOC (less water)</td>
<td>&lt;100 grams/Liter</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Shelf life</td>
<td>12 months (unopened/properly stored between 40 - 110°F temperature) Away from direct sunlight.</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>45 - 100°F (7 - 38°C)</td>
</tr>
<tr>
<td>Dry Time @ 77°F (25°C) &amp; 50% RH</td>
<td>To Touch: 1 hour / Recoat: 4 hours</td>
</tr>
</tbody>
</table>

***High humidity and cool temperature will result in longer dry, recoat and service times.***

### COVERAGE RATE

<table>
<thead>
<tr>
<th></th>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Ft²/gal (M²/Liter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>12 (305)</td>
<td>27 (686)</td>
<td>60 (1.47)</td>
</tr>
<tr>
<td>Maximum</td>
<td>18 (457)</td>
<td>40 (1016)</td>
<td>40 (.98)</td>
</tr>
</tbody>
</table>

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**BEST PERFORMANCE**

TEX∙COTE® XL 70® C "W" BRIDGE COTE® (CURE AND COTE) shall be applied under the following ideal conditions:

- Rain is not imminent and surfaces are not frozen. Avoid freezing product.
- May be applied over a damp, but not wet with liquid water on the surface.
- Do not apply material when snow, rain, and freezing are imminent. Wet conditions combined with cold temperatures may cause improper curing of product.
- Incompatible substrate release agents, form oils, curing compounds and foreign matter should be removed prior to the coating application.
- Material use is above grade only. Do not use below grade.
- Application temperature is above 45°F and rising, not to exceed 100°F (7 - 38°C).
- Retaining walls, planter boxes, etc. must be waterproofed on the backside with a below grade asphalt type material prior to backfilling.
- Mix thoroughly before using. Product must be used within 12 months; store and handle as specified by manufacturer.
- TCA does not promote or recommend coating the sealant joints, nor is the sealant compound an approved substrate.

**SAFETY**

**WARNING!**

Contains crystalline silica. Use with adequate ventilation. Do not breathe spray mist or dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use in well ventilated areas. Use approved respirator in poorly ventilated areas. Keep liquid product away from heat sources and children.

**First Aid:** If you experience difficulty in breathing, leave area to obtain fresh air. If difficulty continues, seek medical attention. In case of eye contact, flush immediately with large quantities of water for at least 15 minutes. Seek medical attention if blurring or redness continues. If swallowed, do not induce vomiting. Seek medical treatment immediately. Refer to SDS for further information.

**In Case of Spill:** Absorb with inert material and place into a suitable container for disposal. Dispose in accordance to the EPA and/or state and local guidelines.

**ORDER INFORMATION**

**Packaging:**
Container sizes - 5 gallon pails, 30 and 55 gallon drums (19, 113 and 209 L).

**Colors:**
Product is available in TEX∙COTE® standard paint colors, Federal shade colors, and custom colors upon request. Contact the manufacturer for special color matching. Contact representative for more information.

**Coverage Rates:**
40-60 square feet per gallon depending on surface profile and application method.

**Do not thin.**

**Shelf Life:**
12 month shelf life under the following proper conditions:

- Containers must be stored upright and airtight in a dry place.
- Maintain air temperature at 40°F - 110°F (4.4°C - 38°C).
- Skins formed on surface of material must be removed prior to moving containers or mixing.
- Store away from direct sunlight.

**WARRANTY**

Upon completion of application of coating in accordance with the manufacturer’s recommendations, Textured Coatings of America, Inc. will extend its limited commercial warranty for product replacement as a result of a defect in the material. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with manufacturer’s recommendations for installation. TEX∙COTE® shall have no obligation to contribute or to otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.