



Transportation Products

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

SCAQMD	YES
CARB	YES
CARB 2007	YES
OTC	YES
OTC Phase II	YES
Canada	YES

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 concrete 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) reduces the application time and cost of rubbing, grouting and sacking of concrete. Specially formulated for bridge systems, factory mixed and ready to use. Available in smooth, sand, fine, and coarse textures.

FEATURES

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

ound as well as protective coating

- Breathable film

BENEFITS

- Lower application cost
- Reduced application time
- Lower maintenance costs
- Prevents concrete spalling
- Protects concrete from UV, moisture and salts

RECOMMENDED OVER

Damp, green, uncured masonry surfaces such as: concrete barrier walls, bridge parapets, columns, piers, retaining walls, spandrels, medians, dividers, and curbs.

APPLICATION

Application Equipment

Spray on application—Provide spray equipment similar to Graco 10:1 President or GM 1030 for smooth, sand, fine and coarse 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 selected applications, depending on texture desired. Short, medium or long nap rollers may be used for standard application depending on texture. Overall appearance depends on application technique. Mock-up sample for architect/ owner approval is recommended.

Surface Preparation

Surface preparation by the general contractor prior to the application of an applied finish coating shall consist of a general surface finish in accordance with the specific requirements of the state transportation 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

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 water 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 application 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 Specification TTC-555B performance requirements. The application of 50 square feet per gallon develops a 15-mil dry film thickness. The approved coverage rate for TEX•COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COTE) may vary in different states and regions. Please consult the governing highway department or governmental agency for their requirements and specified coverage rates.

Texture of Coating

Roll on application: Smooth or sand
Spray on application: Smooth, sand, fine and coarse textures.

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 Compound (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:

ASTM D6904 Resistance to Wind Driven Rain	Pass No Leakage
AASHTO R31 Freeze Thaw Resistance	Pass 30 Cycles—No Disbondment
ASTM D1653 Water Vapor Transmission	15.0 Perms
ASTM D968 Abrasion Resistance	Pass 3000 Liters of Sand, no coating loss
ASTM B117 Salt Fog Resistance	2000 Hours No Disbondment
ASTM D4587 Cyclic Weathering	Pass 2000 Hours
ASTM D3273 Fungal Resistance	10 Rating
ASTM C666 Resistance of Concrete to Rapid Freezing and Thawing @ 300 cycles	Durability factor 90.5, Weight loss 1.6%, Surface Rating 3

ASTM C309 Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete	Meets State DOT Requirements
ASTM C156 - Water Loss @ 72 hours ≤ 0.55 kg/m2	Pass
ASTM E1347 Reflectance	Pass—82.7%
ASTM C309 (10.3) Drying Time	40 Minutes
ASTM D1309 Long Term Settling	9 Rating
ASTM D2369 Solids	57.6%
ASTM C309 (5.5) Deleterious Reactions	None

Technical Properties:

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

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

COVERAGE RATE

	Dry Mills (Microns)	Wet Mills (Microns)	Ft ² /gal (M ² /Liter)
Minimum	12 (305)	27 (686)	60 (1.47)
Maximum	18 (457)	40 (1016)	40 (.98)

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 results 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.



CORPORATE OFFICES & EASTERN PLANT
 2422 East 15th Street Panama City, Florida 32405
 Tel: (850) 769-0347 Fax: (850) 913-8619

COMMERCIAL SALES OFFICE
 4101 Ravenswood Road, Suite 218,
 FT. Lauderdale, Florida 33312
 Tel: (954) 581-0771 Fax: (954) 581-9516

WESTERN PLANT
 5950 S. Avalon Blvd.
 Los Angeles, California 90003
 Tel: (323) 233-3111 Fax: (323) 232-1071