



Transportation Products

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

DESCRIPTION

TEX·COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COAT) 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 cast concrete substrates. 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 COAT) 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 COAT) 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.

Maintenance

No special maintenance is required. Should TEX·COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COAT) 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.).

BEST PERFORMANCE

TEX·COTE® XL 70® C “W” BRIDGE COTE® (CURE AND COAT) 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, 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.

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
- ASTM D1653 Water Vapor Transmission - 15.0 Perms
- ASTM D968 Abrasion Resistance - Pass 3000 Liters of Sand
- ASTM B117 Salt Fog Resistance - 2000 Hours No Disbondment
- ASTM D4587 Cyclic Weathering - Pass 2000 Hours
- ASTM D3273 Fungal Resistance - 10 Rating ASTM D3274
- ASTM C666 Resistance of Concrete to Rapid Freezing and Thawing @ 300 cycles - Durability factor 90.5, Weight loss 1.6%, Surface Rating 3 ASTM C672
- 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

Technical Properties:

- Solvent: Water
- 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)
- Coverage: 40 - 60 sq.ft / gal
- Film Thickness: 27 - 40 mils wet, 12 - 18 mils dry
- 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.

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.

Current as of 1/2017	
SCAQMD	YES
CARB 2007 SCM	YES
CARB 2000 SCM	YES
OTC / LADCO	YES
OTC Phase II	YES
CANADA	YES

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 match-

ing. 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.

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.

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.



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