



## PRODUCT PROFILE

### 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. Especially 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
- Breathable Film
- Lasts Years Longer Than Traditional Paints and Coatings
- Can Be Used as Concrete Curing Compound as Well as Protective Coating

### BENEFITS

- Lower Application Cost
- Reduced Application Time
- Lower Maintenance Costs
- Prevents Concrete Spalling
- Protects Concrete From UV, Moisture, and Salts

### RECOMMENDED PRIMERS/SUBSTRATES

Damp, Green, Uncured Masonry Surfaces Such As: Concrete Barrier Walls, Bridge Parapets, Columns, Piers, Retaining Walls, Spandrels, Medians, Dividers, and Curbs.

## PRODUCT 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.

### GENERAL / 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 abrasive-blast 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 RATE

Coverage rates vary depending on chosen texture. Typical coverage rate 50-80 sf/gallon.

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 Fine
- **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

- **For Dry Materials:** Use Methyl Ethyl Ketone (MEK)
- **For Wet Materials:** Clean Up with Soap and Water



### DRYING / CURING TIMES

- **Application Temperature:** 45°F rising to 100°F (7°C - 37.7°C)
- **Dry Time:** @ 77°F (25° C) & 50% RH
- **To Touch:** One (1) Hour
- **Recoat:** Four (4) Hours

## BEST PERFORMANCE

### IMPORTANT STEPS

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.
- 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 - 37.7°C).
- Concrete Retaining Walls/MSE Walls etc. - recommend weep holes in concrete or some form of below grade damproofing on side of walls to be backfilled to help resist potential hydrostatic pressure.
- Mix thoroughly before using. Product must be used within 12 months; store and handle as specified by manufacturer.
- TEX-COTE LLC does NOT promote or recommend coating the sealant joints, nor is the sealant compound an approved substrate.

## TECHNICAL DATA

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

| COVERAGE RATE | DRY MILS (MICRONS) | WET MILS (MICRONS) | Ft <sup>2</sup> /Liter |
|---------------|--------------------|--------------------|------------------------|
| Minimum       | 12 (305)           | 27 (686)           | 60 (1.47)              |
| Maximum       | 18 (457)           | 40 (1016)          | 40 (.98)               |

| PHYSICAL PROPERTY | TYPICAL RESULT  | PHYSICAL PROPERTY              | TYPICAL RESULT    |
|-------------------|-----------------|--------------------------------|-------------------|
| Flash Point °F    | None            | VOC (grams/liters minus water) | <100 grams/Liter  |
| Volume Percent    | 40-50%, Typical | Weight/Gallon (pounds)         | 11.0 lbs, Typical |
| Weight Percent    | 50-60%, Typical |                                |                   |

### Applicable Standards | American Society for Testing Materials

| TEST METHOD | PROPERTY                                                         | RESULT                                                     |
|-------------|------------------------------------------------------------------|------------------------------------------------------------|
| 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   | Liquid Membrane Forming Compounds for Curing Concrete            | Meets State DOT Requirements                               |



## TECHNICAL DATA, CONTINUED

| TEST METHOD | PROPERTY                                            | RESULT      |
|-------------|-----------------------------------------------------|-------------|
| ASTM C156   | Water Loss @ 72 Hours $\leq 0.55$ kg/m <sup>2</sup> | 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) Deterious Reactions                           | None        |

## ORDER INFORMATION

### PACKAGING COLORS

Available in five (5), thirty (30), and fifty-five (55) gallon containers. (19, 113, and 209 L)

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 SHELF-LIFE

40-60 square feet per gallon depending on surface profile and application method.

12-Month Shelf-Life under proper conditions:

- Containers must be stored upright and airtight in a dry place.
- Maintain air temperature at 40°F rising to 110°F (4.4°C - 37.7°C).
- Skins formed on surface of material must be removed prior to moving containers or mixing.
- Store away from direct sunlight.

## 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.
- For Professional Use Only.

### FIRST AID

- Use in well-ventilated areas.
- If you experience difficulty 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.

### VOC COMPLIANCE

All TEX-COTE® products comply with federal Volatile Organic Compound (VOC) rules and regulations.

Please contact your nearest TEX-COTE LLC office for assistance on the local and state VOC compliance in the area of intended use.

## WARRANTY

Upon completion of the application of the coating in accordance with the manufacturer's recommendations, TEX-COTE LLC 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 the manufacturer's recommendations for installation. TEX-COTE LLC shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen Copy of material warranty is available upon request.

|                                    |                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------|
| Corporate HQ & East Coast Facility | 2422 E. 15th St., Panama City, FL 32405   800-454-0340   850-769-0347   Fax 850-913-8619         |
| South Florida Sales Office         | 7000 W. Palmetto Park Rd., Ste 210 - W14, Boca Raton, FL 33433   954-581-0771   Fax 954-581-9516 |
| West Coast Facility                | 417 Weber Ave., Compton, CA 90222   323-233-3111   Fax 310-438-2873                              |