



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® 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
- Breathable Film
- Lasts Years Longer Than Traditional Paints & Coatings
- Can Be Used As Concrete During 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 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 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

PRODUCT APPLICATION

DRYING/CURING TIMES

- Application Temperature: 45°F - 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).
- 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.
- 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 ² /Liter
Minimum	12 (305)	27 (686)	60 (1.47)
Maximum	18 (457)	40 (1016)	40 (.98)

PHYSICAL PROPERTY	TYPICAL RESULT
Flash Point °F	None
Volume Percent	40-50%, Typical
Weight Percent	50-60%, Typical

PHYSICAL PROPERTY	TYPICAL RESULT
VOC (grams/liters minus water)	<100 grams/Liter
Weight/Gallon (pounds)	11.0 lbs, 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 ²	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

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

SHELF LIFE

12-Month Shelf Life under proper conditions:

- Containers must be stored upright and airtight in a dry place.
- Maintain air temperature at 40°F - 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.

FIRST AID

- Use in well-ventilated areas.
- 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.

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.

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