



PRODUCT PROFILE

DESCRIPTION

XL 70® “W” BRIDGE COTE® is a water-based, high-build, advanced epoxy-acrylate resin system. This material is used for the protection and beautification of bridges, above-grade surfaces such as concrete walls, median dividers, curbs, retaining walls, etc. Available in smooth, sand, fine, and coarse textures.

FEATURES

- High-Build Textured Coating
- One-Coat Application
- Apply to Uncured or Damp Concrete
- Breathable Film
- Tremendous Bond with Concrete
- Lasts For Years Longer Than Traditional Paints and Coatings
- Can Be Applied Directly to Properly Prepared Concrete Surfaces

BENEFITS

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

RECOMMENDED PRIMERS/SUBSTRATES

Concrete and Other Manufacturer-Approved Surfaces

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, 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 laitances 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® “W” BRIDGE 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

MAINTENANCE

No special maintenance is required. Should TEX-COTE® XL 70® “W” BRIDGE COTE® become, clean with light water pressure and mild detergent

CLEAN-UP

- **Dry Material:** Use Xylol or Methyl Ethyl Ketone (MEK)
- **Wet Material:** Use Water

BEST PERFORMANCE

IMPORTANT STEPS

TEX-COTE® XL 70® “W” BRIDGE COTE® shall be applied under the following ideal conditions:

- Rain is not imminent and surfaces are not damp or frozen. AVOID FREEZING.
- Do NOT apply material when snow, rain, and freezing are imminent. Wet conditions combined with cold temperatures may cause improper curing of product.
- Application temperature is above 40°F and rising, not to exceed 100°F (37.8°C).
- Incompatible substrates 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.
- 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

| PHYSICAL PROPERTY | TYPICAL RESULT |
|-------------------|-----------------|
| Permeability | 20.2 Perms |
| Volume Percent | 40-50%, Typical |
| Weight Percent | 50-60%, Typical |

| PHYSICAL PROPERTY | TYPICAL RESULT |
|--------------------------------|--------------------|
| Solvent | Water |
| VOC (grams/liters minus water) | <100 grams/liter |
| Weight/Gallon (pounds) | 10.5 lbs., Typical |

Applicable Standards | American Society for Testing Materials

| TEST METHOD | PROPERTY | RESULT |
|-----------------------|---|--------------------|
| ASTM B117-07a | Operating Salt Spray (Fog) Apparatus | 3000 Hours, Pass |
| ASTM D968-05 | Abrasion Resistance of Organic Coatings by Falling Abrasive | 3000 liters, Pass |
| ASTM D522-93a | Mandrel Bend Test of Attached Organic Coatings | 1/2” Mandrel, Pass |
| Mississippi Hwy Dept. | Freeze/Thaw Method | 100 Cycles, Pass |
| ASTM G53-04 | Conducting Accelerated Outdoor Exposure Tests of Coatings | Pass, 5000 Hours |
| ASTM C672-03 | Freeze/Thaw Scaling Resistance | 50 Cycles |
| ASTM D1653-03 | Water Vapor Transmission of Materials | 20.2 Perms |
| ASTM D6904-03 | Water Penetration and Leakage Through Masonry | Pass |

ORDER INFORMATION

PACKAGING

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

COVERAGE RATES

Material coverage rates vary due to surface porosity, texture, and application method.

COLORS

Product is available in TEX-COTE® Standard Paint Colors. Contact the manufacturer for special color matching. Contact Representative for information.

SHELF LIFE

12-Month Shelf Life under proper conditions:

- Containers must be stored upright and airtight in a dry place.
- Maintain air temperature at 45°F rising to 100°F. (7°C - 37.7°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 area.
- Use approved respirator in poorly ventilated areas.
- Keep liquid product 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 Material Safety Data Sheet (MSDS) for further information.

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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