



Transportation Products

XL 70® BRIDGE COTE® W/SILANE

DESCRIPTION

TEX·COTE® XL70® BRIDGE COTE® with Silane is a one component, ready to use concrete protective coating. This material is utilized for the protection and beautification of bridges and above-grade exterior surfaces, such as concrete walls, columns, spandrels, median dividers, bridge parapets, retaining walls, etc.

FEATURES

- Cure/Seal/Coat in One Application
- Long term performance, with Silane performance benefits
- TTC-555b weather compliance
- Aesthetics--Uniformity, factory mixed
- Variety of textures and colors
- Excellent adhesion to concrete

BENEFITS

- Cost savings as compared with hand rubbing concrete.

- Broad range of temperature application
- One coat application over certain surfaces
- High build textured coating
- Can be applied over damp concrete

RECOMMENDED OVER

Properly prepared new pre-cast, tilt-up, or poured concrete and other manufacturer approved substrates.

APPLICATION

For spraying, use a Graco President 10:1 pump or GM 1030 pump. Refer to the TEX·COTE® application manual for further information.

Roll On Application:

Overall appearance depends on application technique. Mock-up sample for engineer/owner approval is recommended. Short, medium or long nap rollers may be used for standard application depending on texture desired.

Surface Preparation

Surface preparation by the general contractor, prior to the application of the concrete coating, shall consist of 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 laitences prior to the application of the concrete coating. Curing compound and release agent must be re-

moved and may require light sandblast or water blast at a minimum of 2500 PSI or greater. Test the wall for coating acceptability prior to 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 50+/- 10 sq ft /gallon.

Spray / Roll On

Manufactured to meet Federal Specification TTC- 555B and various performance tests. A one-coat application at 50 sf/ gallon develops a 15-mil dry film thickness. The approved coverage rate for TEX·COTE® XL70® BRIDGE COTE® with Silane may vary in different states and regions. Please consult the governing transportation department or govern-

mental agency for their requirements.

Additional Applications

TEX·COTE® XL70® BRIDGE COTE® with Silane may be applied over RAIN-STOPPER® Silane or Siloxane penetrant sealers. Also, TEX·COTE® GRAFFITI GARD® Protection Systems may be used over TEX·COTE® XL70® BRIDGE COTE® with Silane after a minimum of 21 days cure under ideal conditions. Consult your local representative for proper application procedures and specifications.

Clean-Up

Use mineral spirits to clean up wet material; use Methyl Ethyl Ketone (MEK) or acetone for dry.

Drying / Curing Times

To touch: 48 hours

Final Cure: 2-3 weeks, minimum

Note: These times based on ideal weather conditions.

BEST PERFORMANCE

1. Do not thin XL70® BRIDGE COTE® with Silane, do not use as grout.
2. Do not mix XL70® BRIDGE COTE® with Silane in drum with other types of paint.
3. Agitate XL70® BRIDGE COTE® with Silane thoroughly prior to use.

4. May be applied over a damp, but not wet with liquid water, surface.
5. Application temperature is above 40°F (7.2°C) and rising, not exceeding 100°F (37.8°C).
6. Do not apply if rain is imminent or over frozen surface.

7. Backside of retaining walls shall be waterproofed with asphalt type below grade sealer.
8. TCA does not promote coating the sealant joints, nor is the sealant compound an approved substrate.
9. In cool weather conditions, 5-gallon pails are recommended for ease of use.

TECHNICAL DATA

Table 1

- Federal Specification TTC-555B
- ASTM C672-Scaling Resistance – 100 Cycles
- ASTM C642 - Absorption-Passed
- AASHTO T259/T260 Chloride Ion - Penetration Resistance
- ASTM G153 Twin Arc Weatherometer Exposure – 5,000 Hours
- ASTM C522 Mandrel Bend, 1" Conical, No Cracking
- ASTM C309/AAHSTO M148 Type II, Curing Compound Requirement - Pass
- ASTM D5860 Mississippi Highway Department Freeze /Thaw Method – 300 Cycles
- ASTM B-117 Salt Spray Resistance 2,000 hours
- ASTM D968 Abrasion Resistance – 2,000 liters – Falling Sand—No Penetration
- Infrared Spectrum – Typical
- TTP-29 Fungus Growth Resistance 21 Days – Passed
- NCHRP 244 Series IV, Southern Exposure – Passed
- NCHRP 244 Series II – Passed
- ASTM D1653 Water Vapor Transmission—15.01

Table 2

Solvent	Aliphatic
Solids, by Weight	71 % Typical
Solids, by Volume	57.0% Typical
Weight per gallon	10.0 lbs.
VOC Content	<400 grams/liter

ORDER INFORMATION

Colors

Available in TEX•COTE® standard decorative colors, Federal shade colors, and custom colors upon request.

Textures

Available in Smooth, Sand and Coarse Textures.

Container Size

Five (5) gallon pails and thirty (30) and fifty-five (55) gallon drums.

Shelf Life

Twelve (12) month shelf life if containers are sealed, upright and stored in a dry place out of the sun. Maintain temperature at 45°F and rising to 100°F (7° C to 38°C); avoid freezing. Any skins formed on surface of material must be removed prior to moving containers or mixing.

SAFETY

Warning

Combustible liquid and vapor. Keep away from heat and flames. Contains petroleum distillates, crystalline silica and lime. Vapor harmful. Use with adequate ventilation. View Material Safety Data Sheet before using material. Smoking in area where this material is used should be strictly prohibited. Keep out of reach of children.

First aid

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention. For skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. Do not induce vomiting.

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.

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 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 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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