



PRODUCT PROFILE

DESCRIPTION

XL 70® 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
- TTC-555B Weather Compliance
- Aesthetics - Uniformity, Factory-Mixed
- Variety of Textures and Colors
- Excellent Adhesion to Concrete
- Long-Term Performance with Silane Performance Benefits

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 PRIMERS/SUBSTRATES

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

PRODUCT APPLICATION

APPLICATION EQUIPMENT

Spray-On Application: Use a Graco President 10:1 pump or GM 1030 or 2030 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 texture desired.

GENERAL/SURFACE PREPARATION

Surface preparation, prior to the application of the concrete coating, shall consist of general surface finish in accordance with the specific 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 concrete coating. All curing compounds and release agents 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 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 required further cleaning prior 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

Typical coverage rate 50-80 sf/gallon.

SPRAY/ROLL-ON

The approved coverage rate for TEX-COTE® XL 70® BRIDGE COTE® with Silane may vary in different states and regions. Please consult the governing transportation department or governmental agency for their requirements.

ADDITIONAL APPLICATIONS

TEX-COTE® XL 70® BRIDGE COTE® with Silane may be applied over RAINSTOPPER® Silane or Siloxane penetrant sealers. Also, TEX-COTE® GRAFFITI GARD® Protection Systems may be used over TEX-COTE® XL 70® 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

- For Dry Materials: Use Methyl Ethyl Ketone (MEK)
- For Wet Materials: Use Mineral Spirits

DRYING/CURING TIMES

- To Touch: 48 Hours
- Final Cure: Two (2) to Three (3) Weeks, Minimum

NOTE: These times based on ideal weather conditions.

BEST PERFORMANCE

IMPORTANT STEPS

- Do NOT thin XL 70® BRIDGE COTE® with Silane; do NOT use as grout.
- Do NOT mix XL 70® BRIDGE COTE® with Silane in drum with other types of paint.
- Agitate XL 70® BRIDGE COTE® with Silane thoroughly prior to use.
- May be applied over a damp, but NOT wet with liquid water surface.
- Application temperature is above 40°F (7.2°C) and rising, not exceeding 100°F (37.7°C).
- Do NOT apply if rain is imminent or over frozen surface.
- Backside of retaining walls shall be waterproofed with asphalt-type below-grade sealer.
- TEX-COTE LLC does NOT promote coating the sealant joints, nor is the sealant compound an approved substance.
- In cool weather conditions, 5-gallon pails are recommended for ease of use.
- 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.

TECHNICAL DATA

PHYSICAL PROPERTY	TYPICAL RESULT
Volume Percent	57% Typical
Weight Percent	71% Typical

PHYSICAL PROPERTY	TYPICAL RESULT
Solvent	Aliphatic
Weight/Gallon (pounds)	10.0 lbs.

Federal Specification TTC-555B | Applicable Standards | American Society for Testing

TEST METHOD	PROPERTY	RESULT
ASTM C672	Scaling Resistance	100 Cycles
ASTM C642	Absorption	Passed
AASHTO T249/T260	Chloride Ion	Penetration Resistance
ASTM G153	Twin Arc Weatherometer Exposure	5000 Hours
ASTM C522	Mandrel Bend	1" Conical, No Cracking
ASTM C309/AASHTO M148, Type II	Curing Compound Requirement	Pass
ASTM D5860 Mississippi Hwy Dept.	Freeze-Thaw Method	300 Cycles
ASTM B-117	Salt Spray Resistance	2000 Hours
ASTM D968	Abrasion Resistance, Falling Sand	2000 Liters, 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

ORDER INFORMATION

COLORS	Available in TEX-COTE® Standard Decorative Colors, Federal Shade Colors, and Custom Colors upon request.
TEXTURES	Available in Smooth, Sand, Fine, and Coarse Textures.
PACKAGING	Available in five (5), thirty (30), and fifty-five (55) gallon containers.
SHELF LIFE	12-Month Shelf Life under proper conditions: • Containers are sealed, upright and airtight in a dry place. • Maintain temperature of 45°F to 100°F (7°C to 37.7°C); AVOID FREEZING. • 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 (MSDS) before using material.
- Smoking in area where this material is used should be strictly prohibited.
- Keep out of reach of children.

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.
- 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 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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