



PRODUCT PROFILE

DESCRIPTION

XL 70[®] Smooth Airless Coating is a water-based high-build, advanced epoxy-acrylate resin system specially formulated to provide a weatherproof coating over cured or uncured concrete masonry surfaces. The ability to go over damp or high alkaline surfaces is a key feature. Available as a smooth airless applied finish.

FEATURES

- Breathable Film
- Tremendous Bond with Concrete
- One-Coat Application; Very Porous Concrete May Require Two (2) Coats
- Applies to Uncured or Damp Concrete Surfaces
- Lasts for Years Longer Than Traditional Paints & Coatings
- Can be applied without primer over properly prepared approved concrete surfaces.

BENEFITS

- One-Coat Application
- Lower Application Cost
- Reduced Application Time
- Prevents Concrete Spalling
- Protects Concrete from UV, Moisture, and Salts

RECOMMENDED PRIMERS/SUBSTRATES

Concrete, Cement Plaster, Cement Fiber Board, Tilt-Up Concrete, Block, Brick, and Other Manufacturer-Approved Surfaces. May be use over Metal Trim areas, but is NOT recommended for Metal Buildings.

PRODUCT APPLICATION

PREPARATORY WORK

All surfaces must be sound and clean. Surface contaminants such as dust, dirt, mildew, form oils and laitance must be thoroughly removed. Loose, flaking, or oxidized paint surfaces must be thoroughly removed by abrasive-blasting, water-blasting, electric sanding, or wire brushing as required by the manufacturer. 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.

TEX-COTE[®] XL 70[®] Smooth Airless can be applied over damp/uncured concrete surfaces. XL 70[®] Smooth Airless can be applied without a primer on approved concrete surfaces. When a primer coat is desired, apply TEX-COTE[®] Concrete/Masonry Primer at a rate of 250-350 square feet per gallon. For concrete surfaces that exhibit chalking, calcium hydroxide, efflorescence, or other problems that may inhibit adhesion, apply TEX-COTE[®] Concrete/Masonry Primer (Solvent) at a rate of 175-300 square feet per gallon.

Large cracks, holes and voids must be filled in with cement patching compound which utilizes a bonding agent such as TEX•BOND[®]. Texture of patch shall match existing surface. Cracks less than 1/32" shall be filled with FLEX-PATCH[®] compound. Cracks greater than 1/32" should be patched with cementitious patching compound with acrylic bonding adhesive agent. All cracks should be filled and brought smooth and flush with existing surface. Interfacing of wall joints must be sealed with a urethane-type sealant meeting FED. SPEC.TT-S-230 II. Caulks/ sealants must cure per manufacturer's recommendation. All joint sealants must be cleaned and wiped with acetone solvent or approved cleaner and primed with TEX-COTE[®] TEX-TITE[™] caulk primer prior to application of coating.

METALS

A detailed technical data sheet on surface preparation, degreasing, and etching is available for all applications on metal surfaces. Consult a local TEX-COTE[®] representative prior to commencing application on metals. A sample wall is recommended for field approval by the architect, manufacturer's representative, and contractor.

APPLICATION RATE

Coatings are applied at 80-100 square feet per gallon. For previously coated surfaces, coating can be applied at up to 150 square feet per gallon.

ROLL-ON APPLICATION METHODS

Coating can be applied by roller with 1/2"-1-1/4" nap roller cover, depending on finish desired. With fully loaded roller, apply first coat at approximately 160-200 sf/gal. Allow 24 hour curing. Apply second coat at approximately 160-200 sf/gal to achieve a pinhole-free, continuous film. When rolling, apply first with vertical strokes, then cross roll for even film and desired appearance.

Note: Due to differences experienced in spraying textured materials, TEX-COTE LLC shall be contacted if the Contractor has never applied TEX-COTE[®] products. A TEX-COTE[®] Spray Tech shall be present at the start-up of a job site in which the contractor has never applied TEX-COTE[®] products.

PRODUCT APPLICATION

SPRAY-ON APPLICATION METHODS

Apply with Graco 5900HD or equivalent with .019-.027 tip sizes. TEX-COTE® XL 70® Smooth Airless must be applied at uniform, pinhole-free, continuous film thickness over the entire surface. Wet edge must be maintained at all times to prevent lap marks. Avoid starting and stopping midway on the wall surface.

CLEAN-UP

For Dry Material: Use methyl ethyl ketone (MEK) to remove dry material. Attempt sample in concealed area first.

For Wet Material: Use soap and water.

MAINTENANCE

No special maintenance is required. Should TEX-COTE® XL-70® Smooth Airless coating become soiled, clean with light water pressure and mild detergent.

Note: Cooler temperatures result in a normal thickening of the product. For cold weather application (less than 50° F), material should be kept warm in a warehouse overnight. To ease spray problems associated with cold weather, we recommend purchasing the product in 5-gallon pails and stirring the product well before application. For more information on cold weather application, contact your TEX-COTE® Spray Technician prior to use.

BEST PERFORMANCE

IMPORTANT STEPS

TEX-COTE® coatings are for use in above grade applications only. TEX-COTE LLC does not promote or recommend coating the sealant joints, nor is the sealant compound an approved substrate.

Darker colors attract heat and dry quicker. Follow the shade to avoid lap marks, maintain wet edge, consistent pattern, and coat complete elevation. Maintain proper coverage rate.

Apply XL 70® Smooth Airless only under the following conditions:

- Roof and parapet top caps shall be installed and sealed against water penetration.
- Primer exposed to ultraviolet rays for more than four (4) weeks requires repriming.
- Joint sealants have cured per manufacturer’s recommendations. Coating over caulking is not a warranted procedure. We recommend the purchase of a caulk similar to the color of the finish coat. If you decide to coat over the caulk, to obtain optimum performance properties, solvent wipe the caulking and prime the caulk with a suitable primer, like TEX•TITE™, before coating. However, TEX-COTE LLC does NOT warrant this procedure, or the adhesion of the coating over caulking.
- Retaining walls, planter boxes and similar construction are waterproofed on the soil side.
- Rain is not imminent and surfaces are not damp or frozen; avoid freezing product.
- Surface and ambient air temperature range is 45°F - 100°F (7°C - 37.7°C).

APPLICATION PRECAUTIONS

TECHNICAL DATA

XL 70® Smooth Airless Applicable Standards | American Society for Testing Materials

TEST METHOD	PROPERTY	RESULT
ASTM B117-95	Salt Spray (Fog)	2000 Hours
ASTM D968-93	Abrasion Resistance	2000 Liters
ASTM D522-93A	Flexibility (Mandrel Bend Test)	1"
Mississippi Hwy Dept.	Freeze/Thaw Method	378 Cycles
ASTM D4141-95	Accelerated Weathering	10000 Hours
ASTM E84-96a	Surface Burning Characteristics of Burning Materials	Class A Rating
ASTM E96-95	Water Vapor Transmission	20 Perms
ASTM E514-90	Water Penetration & Leakage Through Masonry	Pass

TECHNICAL DATA

PHYSICAL PROPERTY	TYPICAL RESULT
Carrier	Water
Elongation	70 ± 5%
Tensile Strength	222 psi
Volume Percent	35-45% Typical

PHYSICAL PROPERTY	TYPICAL RESULT
Weight Percent	50-60% Typical
Water Vapor Permeance	20 Perms
VOC (grams/liters minus water)	<100 g/L liter
Weight/Gallon (pounds)	Approx. 11.5 lbs

ORDER INFORMATION

PACKAGING

Available in one five (5) gallon, thirty (30) gallon, and fifty-five (55) gallon containers (19, 113, and 209 L). Material coverage rates vary due to surface porosity, texture, and applicable method.

COLORS

Product is available in TEX-COTE® standard paint colors. Contact the manufacturer for special color matching.

FINISHES
APPLICATION METHODS

Roller-Applied Finishes: Smooth
Spray-Applied Finished: Smooth Airless

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 the surface of material must be removed prior to moving containers or mixing.

SAFETY

WARNING

- Use with adequate ventilation.
- Use approved respirator in poorly ventilated areas.
- Do NOT breathe spray mist or dust.
- Avoid contact with eyes, skin, and clothing.
- Wash thoroughly after handling.
- Keep liquid product away from heat sources and 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.
- If swallowed, do not induce vomiting; Seek medical attention immediately.
- Refer to Material Safety Data Sheets (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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West Coast Facility	417 E. Weber Ave., Compton, CA 90222 323-233-3111 Fax 310-438-2873