



## Architectural & Protective Coatings

# XL 70® SMOOTH AIRLESS COATING (Solvent)

### DESCRIPTION

TEX•COTE® XL 70® Smooth Airless Concrete / Masonry Protective Coating is a high-build, plasticized, vinyl toluene acrylic resin system specially formulated to provide a weatherproof coating over cured or uncured concrete masonry surfaces. Ability to go over damp or highly alkaline surface is a key feature. This

coating is recommended for use over properly prepared new pre-cast, tilt-up, or poured concrete, and previously painted substrates such as concrete, dense CMUs, brick or other manufacturer approved surfaces

### BENEFITS

- Protects concrete from moisture, UV, and salts

- Prevents concrete spalling
- Reduced application time

### RECOMMENDED OVER

Recommended over concrete, cement plaster, cement fiber board, block, brick, and other manufacturer approved surfaces. May be used over metal trim areas, but is not recommended for metal buildings or

### APPLICATION

**Application Equipment:** TEX•COTE® XL 70® Smooth Airless: Not for use on large, continuous wall areas. Overall appearance depends on application technique. Mock-up sample for architect/owner approval is recommended. Darker colors attract heat and dry faster. Follow the shade to avoid lap marks, maintain wet edge, consistent pattern, and coat complete elevation. Maintain proper coverage rate. **Spray On:** Use spray equipment such as Graco 7900 or larger. Fluid pressure must be a minimum of 1900 PSI constant. Tip size should be .025 to .029, using a Graco HD-RAC and guard. Hose should be 3/8". For use of other pumps, please contact a TCA field technician. **Roll On:** Medium or long nap rollers may be used for standard applications, depending on texture desired. **Note:** All primer coats, if used, shall cure a minimum of 24 hours prior to application of coating.

**Surface Preparation:** All surfaces must be sound and clean prior to the application of a primer and coating. Such surface contaminants as dust, dirt, mildew, form oils, curing compound and loose substrates should be thoroughly removed. 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. Painted surfaces exhibiting loose, flaking, or oxidized paint must be thoroughly removed by sandblasting, water blasting, electric sanding, or wire brushing as required by the manufacturer. Large cracks, holes or voids must be filled with cement patching compound with TEX-BOND Cement Adhesive. Patching compound finish texture to match existing and adjacent surfaces. Cracks less than one-eighth 1/32" of an inch should be filled with FLEX•PATCH® Patching Compound. Cracks greater than 1/32" and less than 3/8" can be patched with TEX•COTE® SKIM COTE. 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. Interfacing of wall joints should be sealed with a urethane type sealant.

**Application Rate:** TEX•COTE® XL 70® Smooth Airless should be applied at approximately 80-100 square feet per gallon.

**Application:** Products need to be applied with a commercial grade airless in a single coat between 80 and 100 square feet per gallon. A Graco 7900 or 30-1 Bulldog Pump should be used for the application. A sample wall is recommended for field approval by the architect, manufacturers representative, and contractor. Provide a

properly prepared surface for all coating systems. Material coverage rates can vary due to surface porosity and texture. Mix thoroughly prior to use. Do not thin. Application of coating should be a uniform pinhole free continuous film over entire surface. To prevent lap marks, avoid stopping and starting midway on wall surface and continue rolling to a natural breaking point such as a panel edge, seam or corner.

**Exception:** TEX•COTE® XL 70® Smooth Airless may be applied over cured, damp, or uncured concrete masonry surfaces. TEX•COTE® XL 70® Smooth Airless may be applied without a primer on properly prepared approved concrete surfaces. Consult your TCA representative prior to installation for a jobsite inspection.

**Clean Up:** For wet material, use mineral spirits. For dry material, use methyl ethyl ketone (MEK).

**Note:** Cooler temperatures result in a normal thickening in 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

Application of the coating shall be under the following conditions:

- Apply only when air and surface temperatures are above 20°F (-6°C) and surface temperature is 5°F (3°C) above the dew point.
- Do not apply late in the day or when rain, snow or dew is expected within 12 hours. Wet conditions, combined with cold temperatures may cause improper curing of product.
- Incompatible substrate release agents, form oils, curing compound and foreign matter are removed prior to priming and/or coating.
- Roof and parapet top caps are installed and sealed against water penetration prior to priming and coating.
- Primer, if used, which has been exposed to ultra violet rays more than four (4) weeks shall be re-primed before coating.
- Material use is above grade only. Do not use below grade.
- TCA is not responsible for coating over sealants/caulked joints. TCA accepts no responsibility for the performance of its coatings on a surface that is not approved.
- Joint sealants must cure a minimum of 10 days. 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, Textured Coatings of America does not warrant this procedure, or the adhesion of the coating over caulking.
- Retaining walls, planter boxes, etc. must be waterproofed on the backside with a below grade asphaltic type material prior to backfilling.
- Mix thoroughly before using. Product must be used within 12 months; store and handle as specified by manufacturer.
- In cool weather conditions, 5-gallon pails are recommended for ease of use.
- No acrylic topcoat should be applied over XL 70® Smooth Airless until at least 10 days after the initial application of the XL 70® Smooth Airless. Large areas should **NOT** be coated over with any type of acrylic topcoat. **Only small, broken-up areas or bands around the building should EVER receive any acrylic topcoat finish over the XL 70® Smooth Airless.** These bands should not exceed 6 feet in diameter.
- 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.

**Caution:** This product, in liquid form, contains petroleum distillate which will cause serious illness or death if swallowed, or if large quantities are absorbed into body. Please refer to Safety Section for additional warnings.

## TECHNICAL DATA

### Product Performance Criteria

- Federal Specification TT-C-555B, Type II.
- Passes 98 miles per hour wind driven rain test.
- Moisture vapor permeability: 9.5 metric perms.
- Mandrel Bend Test: One (1) inch.
- Accelerated Weathering: 10,000 hours.
- Freeze/Thaw Test: 375 cycles.
- Flame Spread: ASTM E 84; NFPA Class A; Uniform Building Code Class 1.
- Salt Spray ASTM B 117-64, Standard Method: 3,000 hours.
- Abrasion ASTM D 968 Falling Sand: 2,000 liters - 10% erosion rating excellent.
- Alkali Resistance - GSA Exception #1 to TT-C-555B
- ( Above results based on two coats at 100 square feet per gallon per coat. )

### Technical Properties

Solvent . . . . .	Aliphatic
Solids by Weight . . . . .	72%
Typical	
Solids by Volume . . . . .	50.0%
. . . . .	Typical
Weight per gallon . . . . .	12 ± .5
. . . . .	0.5 lbs.
Moisture Vapor	
Permeability: . . . . .	0.4 Metric
Perms Minimum	
VOC . . . . .	400 grams/ltr
	Max
Flash Point . . . . .	105°

## ORDER INFORMATION

### Coverage Rates

TEX•COTE® XL 70® Smooth Airless should be applied at approximately 80-100 square feet per gallon over properly prepared dense substrates such as tilt-up, pre-cast or poured concrete. A one coat application when applied at 80-100 square feet per gallon will achieve a minimum dry film thickness of 7-10 mils. On porous surfaces, a two coat application

of TEX•COTE® XL 70® Smooth Airless is required with the first coat curing a minimum of 24 hours prior to the application of the second coat. Total D.F.T. = 14 -18 mils.

**Colors:** Product is available in TEX•COTE® standard light paint colors. Contact the manufacturer for special color matching. Not available in deep tone colors. Contact representative for information.

**Shelf Life:** Twelve month shelf life based on the following:

- Containers shall be stored upright and airtight in a dry place.
- Maintain air temperature of 40°F to 100°F (7°C to 38°C).
- Skins formed on surface of material must be removed prior to moving containers or mixing.

## SAFETY

**Warning:** TEX•COTE® XL 70® Smooth Airless contains crystalline silica and petroleum distillates. Use with adequate ventilation. Do not breathe spray mist or dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. This product, in liquid form, contains petroleum distillates which will cause serious illness or death if swallowed, or if large quantities are absorbed into body. Use in well-ventilated areas. Use face

mask with filter in poorly ventilated areas. In liquid form, keep away 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.

## 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 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. Textured Coatings of America, Inc. shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty available upon request.



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