



PRODUCT PROFILE

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.

FEATURES

- Ability to Go Over Damp or Highly Alkaline Surface

BENEFITS

- Protects Concrete From Moisture, UV, and Salts
- Prevents Concrete Spalling
- Reduced Application Time

RECOMMENDED PRIMERS/SUBSTRATES

Recommended For Use Over Properly Prepared New Pre-Cast, Tilt-Up, or Poured Concrete, Cement Plaster, Cement Fiber Board, Block, Brick, Previously Painted Substrates such as Concrete, Dense CMUs, Brick, and Other Manufacturer-Approved Surfaces. May be used over Metal Trim areas, but is NOT recommended for Metal Buildings.

PRODUCT 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 TEX-COTE LLC 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.

GENERAL/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 abrasive-blasting, 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, manufacturer 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.

PRODUCT APPLICATION

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 approved concrete surfaces. Consult TEX-COTE LLC representative prior to installation for a jobsite inspection.

CLEAN-UP

For Dry Material: Use Methyl Ethyl Ketone (MEK)

For Wet Material: Use Mineral Spirits

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

IMPORTANT STEPS

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 reprimed before coating.
- Material use is above grade only. Do NOT use below grade.
- TEX-COTE LLC is not responsible for coating over sealants/caulked joints. TEX-COTE LLC 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, TEX-COTE LLC 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

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

TEST METHOD	PROPERTY	RESULT
TT-C-555B, Type II	Wind-Driven Rain Test	98 MPH, Pass
ASTM 96	Water Vapor Permeability	9.5 Metric Perms
ASTM D522-93A	Flexibiity Mandrel Bend Test	1"
ASTM D4141-95	Accelerated Weathering	10,000 Hours

TECHNICAL DATA

XL 70[®] Smooth Airless Applicable Standards, Continued

TEST METHOD	PROPERTY	RESULT
Mississippi Hwy Dept.	Freeze/Thaw Test	375 Cycles
ASTME E84	Flame Spread; NFPA Class A; Uniform Building Code Class 1	Pass
ASTM B 117-64	Salt Spray Standard Method	3000 Hours
ASTM D968	Abrasion; Falling Sand; 10% Erosion Rating	2000 Liters, Excellent
TT-C-555B	Alkali Resistance	GSA Exception #1
<i>*Above results based on two (2) coats at 100 square feet per gallon per coat.</i>		

PHYSICAL PROPERTY	TYPICAL RESULT
Flash Point °F	105°
Solvent	Aliphatic
Volume Percent	50% Typical
Weight Percent	72% Typical

PHYSICAL PROPERTY	TYPICAL RESULT
Moisture Vapor Permeance	0.4 Metric Perms MIN
VOC (grams/liters minus water)	400 grams/ltr MAX
Weight/Gallon (pounds)	12 ± .5; 0.5 lbs

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

- 12-Month Shelf Life under proper conditions:
- Containers shall be stored upright and airtight in a dry place.
 - Maintain air temperature of 40°F to 100°F (7°C to 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.
- Use face mask with filter in poorly ventilated areas.
- 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.
- In liquid form, keep 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 treatment immediately.

SAFETY

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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