



Architectural & Protective Coatings

TEX·COTE® 400 SMOOTH AIRLESS

DESCRIPTION

TEX·COTE® 400 Smooth Airless Coating is a high-build, efflorescence blocking, water base coating with elastomeric properties featuring rapid drying and superior adhesion. This styrene acrylic coating is recommended for use over concrete, cement plaster, block, brick, metal and other manufacturer approved

surfaces. TEX·COTE® 400 Smooth Airless has shown superior performance over highly alkaline surfaces, stopping efflorescence from migrating through the coating film. The result is a coating with excellent color retention and resistance to fade.

FEATURES

- Efflorescence blocking
- Performs well over highly alkaline surfaces
- Waterbased, low VOC coating

BENEFITS

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

RECOMMENDED OVER

Concrete, cement plaster, block, brick, metal and other manufacturer approved surfaces.

APPLICATION

Preparatory Work

All surfaces must be sound, clean, dry and properly cured prior to the application of the coating. Surface contaminants such as dust, dirt, mildew, form oils and laitance must 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. Loose, flaking or oxidized paint surfaces must be thoroughly removed by sand 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 adjacent finish

surfaces.

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. Cracks over 1/16" (1.6 mm) and less than 1/8" (3.2 mm) of an inch should be filled with FLEX-PATCH® Patching Compound. Cracks greater than 1/8" and less than 3/8" can be patched with TEX·COTE® SKIM COTE. Interfacing of wall joints must be sealed with a urethane type sealant. TEX·COTE® 400 Smooth Airless may be applied with or without a primer depending on surface conditions.

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

Apply TEX·COTE® 400 Smooth Airless coating at a rate of 80 to 100 square feet per gallon. A minimum of 8 to 10 mils dry film is required for smooth coating.

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

Application Equipment

1. Airless Pump (minimum 3000 psi @ spray tip) using 3/8" spray hose. Minimum recommended equipment is a Graco GM 5000 or equivalent.
2. Graco Heavy Duty Rack Guard with 0.025 to 0.027 spray tip (without diffusion bar).

3. Remove all material filters and intake strainer.
4. Medium to long nap roller depending on the surface porosity.
5. Over heavy laced surface, material must be backrolled to achieve a pinhole free surface. A 3/8" to 1/2" roller is recommended.
6. Do not apply when rain is predicted within 24 hours.

A TEX•COTE® spray application manual is available upon request.

Installer must comply with the following:

Application of TEX•COTE® 400 Smooth Airless must be a uniform, pin hole free, continuous film thickness over the entire surface.

Maintain a wet edge at all times to prevent lap marks. Avoid starting and stopping midway on the wall surface. Continue spraying to a natural break point such as a panel edge, seam or corner.

For large surface areas, two people spraying simultaneously are recommended to avoid lap marks and spray patterns. To achieve a proper surface, request the assistance of the manufacturer's representative.

Back rolling may be necessary on certain types of surfaces, including heavy laces or textured surfaces. Dependent upon warranty desired, two coats may be necessary. Allow material to dry before applying the second coat (4 to 24 hours, depending on conditions). Consult the manufacturer for details.

Roll-On Application

Equipment: Short or medium nap rollers may be used for smooth texture applications, depending on texture desired.

With fully loaded roller, apply first coat at approximately 175 to 200 square feet/gallon.

Allow 24 hour curing. Apply second coat at approximately 175 to 200 square feet/gallon to achieve a pinhole-free continuous film. When rolling, apply first with vertical strokes, then cross roll for even film and desired appearance.

Do not apply when rain is predicted within 24 hours.

Clean Up

Use water for cleaning wet material. Use methyl ethyl ketone (MEK) to remove dry material. Attempt sample in concealed area first.

Maintenance

No special maintenance is required. Should TEX•COTE® 400 Smooth Airless become soiled, clean with light water pressure and mild detergent.

FOR BEST PERFORMANCE

TEX•COTE® 400 Smooth Airless is for use in above-grade applications only. Joint sealants used must be compatible with selected TEX•COTE® products. Contact the manufacturer to confirm compatibility.

Application Precautions

Apply TEX•COTE® 400 Smooth Airless only under the following conditions:

- Roof and parapet top caps shall be installed and sealed against water penetration.
- Joint sealants have cured minimum of 48 hours.
- Retaining walls, planter boxes and similar construction must be damp-proofed on the soil side.
- Rain is not imminent and surfaces are not damp or frozen. Avoid freezing product.
- Surface and ambient air temperature is 45°F and rising up to 100°F (7° - 38°C).
- Incompatible substrate release agents, form oils, curing compounds and foreign matter are removed prior to the coating application.
- Material use is above grade only. Do not use below grade.
- Mix thoroughly before using. Product must be used within 12 months; store and handle as specified by manufacturer.
- TCA does not promote or recommend coating the sealant joints, nor is the sealant compound an approved substrate.

TECHNICAL DATA

Table 1 Applicable Standards American Society for Testing Materials (ASTM):

- ASTM D522-93a - Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings - Pass 1" mandrel
- ASTM D2243-95 Freeze-Thaw Resistance of Water-Borne Coatings - Pass
- ASTM D4141-95 - Standard Practice for Conducting Accelerated Outdoor Exposure Tests of Coatings - Pass 5,000 hours
- ASTM E96-95 - Standard Test Methods for Water Vapor Transmission of Materials - 7.8 perms
- ASTM E514-90 (1996)E1 - Standard Test Method for Water Penetration and Leakage Through Masonry - Pass

Table 2 Physical Properties

Water based acrylic copolymer blend.

<u>Test Property</u>	<u>Typical Result</u>
Solids % by weight	60
Solids % by volume	48
Weight per gallon	11.9
VOC, grams/liter	120 max.

ORDER INFORMATION

Packaging

Container sizes - 5, 30 and 55 gallons (1.9, 113 and 208 L).

Colors: Available in sixteen standard colors or custom colors. Deep tone colors subject to upcharge.

Application Rate: Apply at a rate of 80 to 100 square feet/gallon depending upon the porosity of the substrate. A minimum of 8 - 10 mils dry film thickness is required.

Shelf Life

Twelve month shelf life under the following conditions:
Containers must be stored upright and airtight in a dry place.
Maintain air temperature of 45°F - 100°F (7°C - 38°C). Skins formed on surface of material must be removed prior to moving containers or mixing.

SAFETY

Warning

TEX•COTE® 400 Smooth Airless contains crystalline silica. Use with adequate ventilation. Do not breathe spray mist or dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

First Aid

Use in well ventilated areas. Use approved respirator in poorly 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.

This product, when still in liquid form, contains ethylene glycol, which will cause serious illness or death if swallowed or if large quantities are absorbed into body. Keep liquid product away from heat sources and children. If swallowed, do not induce vomiting. Call physician at once.

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.



TEX•COTE®
400 SMOOTH AIRLESS



TEX•COTE®
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