



## Architectural & Protective Coatings

### GUIDE SPECIFICATION • TEX·COTE® 400 SMOOTH AIRLESS

#### Part 1 General

##### 1.01 SUMMARY

- A. Water-based TEX·COTE® 400 Smooth Airless Coating
- B. Review Division 1, General Requirements, or Contract Documents that contain information and requirements that apply to the work.

##### 1.02 DESCRIPTION

This Section describes the requirements for providing a high-build, smooth airless acrylic coating system with elastomeric properties for Cast-in-Place Concrete, Masonry, Brick, Tilt-Wall Panels and other manufacturer approved surfaces as indicated on the drawings, as scheduled, and specified.

##### 1.03 SUBMITTALS

- A. Furnish manufacturer's Technical Data Sheets, MSDS and drawdowns in texture and colors.
- B. Performance Data: Furnish independent test data verifying performance properties equal to products specified.
- C. Samples: Submit 8" X 10" drawdown samples for each color and texture selected. Samples shall be made of coating specified, match color selected by Architect/Owner.

##### 1.04 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Not less than 10 years successful experience in supplying materials of the types equivalent to those required for this Project.
- B. Installation Qualifications: Firm certified in writing by system's manufacturer as an approved applicator. Special training by system manufacturer's Representative is required.
- C. Single Source: Provide material from the products of a single manufacturer and formulated for the manufacturer's prototype system proposed for use.

- D. Coats: The number of coats specified is the minimum acceptable. If full coverage is not obtained with the specified number of coats, apply such additional coats as necessary to produce the required finish.
- E. Employ coats and undercoats for all finishes pursuant to the paint manufacturer's instructions.
- F. Regulatory Agency Requirements
  - 1. Comply with state and local regulations governing use of paint materials.
  - 2. Comply with OSHA guidelines for protective clothing, glasses, gloves and respirators as required for project conditions.

##### 1.05 FIELD SAMPLES

- A. Submit Mock-Up sample panel on jobsite building or surface as selected by Architect/Owner/General Contractor. Provide a 10' x 10' sample for each separate substrate using the actual substrate materials.
- B. Obtain approval of texture and color prior to proceeding.
- C. Field samples may be part of the actual work.

##### 1.06 JOB CONDITIONS

- A. Environmental Requirements
  - 1. Environmental conditions can be modified only if such requirements are a part of the manufacturer's application instructions or if the manufacturer supplies a letter amending the environmental conditions.
  - 2. Ambient air temperature: At least 45°F degrees but not exceeding 100°F degrees during application.
  - 3. Precipitation: Do not apply primer and coating materials during precipitation or when precipitation is imminent or anticipated.
  - 4. Apply coating to surfaces that are free of surface moisture.
  - 5. Ultraviolet Light: Do not allow primer to be exposed to ultraviolet

light for more than four weeks prior to application of coating. If exposure exceeds the four week limit, apply additional coat of primer.

- 6. Do not apply coating in areas with airborne dust or where dust can be generated.
- B. Roof and parapet top caps shall be installed and sealed against water penetration prior to coating. Verify water tightness.
- C. Allow installed joints to cure according to sealant manufacturer's recommendations prior to coating.
- D. Ensure that retaining walls, planter boxes, and below grade surfaces are waterproofed on the side against the earth prior to application of finish to exposed surfaces.

##### 1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Packaging: Deliver materials to job site in manufacturer's original unopened containers, with labels intact and readable, listing manufacturer, coating type, product name, and batch numbers.
- B. Manufacturer's Instructions: Comply with manufacturer's instructions for storage and handling, including cautions on Material Safety Data Sheets (MSDS).

##### 1.08 WARRANTY

- A. Upon completion of application of coating in accordance with the manufacturer's recommendations, Textured Coatings of America will extend its limited commercial warranty for product replacement as a result of defect in the material.
- B. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with the manufacturer's recommendation 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.

C. Specimen copy of material warranty available upon request.

## Part 2 Products

### 2.01 MATERIALS

- A. Primer: TEX•COTE® XL 70® "W" Primer (concrete surface conditions may require primer) or TEX•STOP Primer.
- B. TEX•COTE® 400 Smooth Airless Coating
  - 1. Water vapor permeability, ASTM E96 >1 perm
  - 2. Accelerated weathering, ASTM D4141, 2000 hours, Passes
  - 3. Flexibility:
    - a. ASTM D522 mandrel bend test, 1" (25 mm), Passes
    - b. After 1000 hours Accelerated Weathering, Passes
  - 4. Freeze/thaw resistance, ASTM D2243, 50 cycles, Passes
  - 5. Federal Spec TT-C-555B
    - a. Total Solids, by weight, Conforms
    - b. Dry Opacity/ Contrast Ratio, Conforms
    - c. Drying Time, Conforms
    - d. Flexibility, Conforms

- e. Impact Resistance, Conforms
- f. Color, Conforms

### C. Patching Compounds

- 1. TEX•COTE® FLEX•PATCH® KNIFE for cracks 1/32" or smaller
- 2. TEX•COTE® FLEX•PATCH® SMOOTH for cracks 1/32" to 1/8"
- 3. Cementitious Patching Compound, with TEX•BOND acrylic bonding agent for cracks over 3/8".
- 4. TEX•COTE® SKIM COTE for cracks from 1/8" to 3/8".

### 2.02 APPLICATION EQUIPMENT

- A. Application Equipment for Smooth Airless Coating: Graco 7900 or equivalent with 50' 3/8" ID hose with 0.25 to 0.29 tip.
- B. Application equipment for Primer: Graco 7000 or equal using 0.017 to 0.019 tip.

### 2.03 MANUFACTURER

TEXTURED COATINGS of AMERICA

Contact one of the offices for the local representative in your area:

Corporate Office and Eastern Plant  
2422 East 15th Street  
Panama City, FL 32405-6348  
(850) 769-0347 • FAX (850) 913-8619

Fort Lauderdale Sales Office  
4101 Ravenswood Rd. Suite 218  
Ft. Lauderdale, FL 33312-5371  
(954) 581-0771 • FAX (954) 581-9516

Western Plant  
5950 S. Avalon Blvd.  
Los Angeles, CA 90003-1384  
(323) 233-3111 • FAX (323) 232-1071

### 2.04 COLORS AND TEXTURES

As indicated in drawings/color schedule or selected by Owner/Architect.

## Part 3 Execution

### 3.01 INSPECTION

Examine substrates scheduled to receive coating system for conditions that may adversely affect the work. Do not proceed with the work of this Section until unsatisfactory conditions have been corrected. Notify the General Contractor and Architect in writing of any unsatisfactory conditions.

#### A. Concrete

- 1. Verify that bond breakers have been removed so that water will penetrate concrete.
- 2. Verify the curing compound is compatible or removed so that coating system will adhere.
- 3. Verify all fins and projections have been removed.
- 4. Verify all visible cracks have been patched or repaired prior to applying any coatings.
- 5. Verify the repair of pockets, holes, breakouts, surface irregularities and damaged surfaces.

- 6. Verify that all patching materials are cementitious, and/or water resistant flexible patching compound.

- 7. Test that the pH of all concrete surfaces to be coated are within Manufacturer's acceptable level.

#### B. Caulked Panel Joints

- 1. Check with the caulk manufacturer and caulk contractor that the caulk is "paintable".
- 2. Verify the caulk is fully cured in accordance with manufacturer's directions.
- 3. Verify that the caulking system provides a clean, dry, smooth, bondable surface, free of residue and site dirt.
- 4. The caulk shall be cleaned and primed prior to application of textured coating.

### 3.02 PREPARATION

#### A. General:

- 1. Surfaces must be sound, clean, and dry prior to application of coating or primer.
- 2. Remove dust, dirt, mildew, form oils, bond breaker, loose substrates, and other surface contaminants. Pressure wash, chemically clean or mechanically abrade as needed to provide sound, clean surface prior to application of coating or primer.
- 3. Test surface for pH level, record and report pH test results to Manufacturer's Representative.
- 4. Manufacturer's Representative to inspect surfaces prior to application of any coating.

#### B. Crack Repair:

- 1. Address all cracks, caulk, patch or repair as follows:
  - a. Fine Cracks up to 1/32": Brush or knife TEX•COTE® FLEX•PATCH® BUTTERY or KNIFE into cracks and bring to

smooth and flush with concrete surface.

- b. Cracks 1/32-inch to 1/8-inch shall be filled and dressed uniform with surrounding surfaces with TEX•COTE® FLEX•PATCH® SMOOTH.
- c. Cracks 3/8-inch shall be filled with TEX•COTE® SKIM COTE.
- d. Cracks 3/8-inch or wider shall be filled with cementitious patching compound; #2 Portland Cement, 60-80 mesh sand, TEX BOND acrylic bonding agent and water.

### 3.03 MATERIAL PREPARATION

- A. Remove skins formed on surface of material before moving containers, mixing material, or applying material.
- B. Store materials not in actual use in tightly covered containers. Maintain containers used in storage, mixing and application of coatings in a clean condition, free of foreign materials and residue.
- C. Do not store in sunlight. Do not allow to freeze. Material should be maintained between 45°F and 95°F for best application properties.

### 3.04 APPLICATION

- A. Finished Smooth Coating System shall comply with performance properties of FEDERAL STANDARD TT-C-555b Type II.
  1. Apply primer coat, as required, to properly prepared surface.
  2. For TEX•COTE® 400 Smooth Airless Coating, apply base coat at a uniform, continuous, pin-hole free film over designated concrete surfaces at a rate of 80 to 100

square feet per gallon.

3. Allow to dry 24 to 48 hours minimum prior to application of second coat. Second coat shall be applied at 80 to 100 square feet per gallon.
4. Maintain a wet edge to prevent lap marks.
5. Continue work to a panel edge, corner, seam or other natural break.
6. Use adequate numbers of workers to avoid lap marks and spray patterns.
7. Do not apply material below grade or in contact with earth.

### B. APPLICATION/INSTALLATION CRITERIA

1. Completed TEX•COTE® 400 Smooth Airless Coating System must provide a continuous, pinhole-free film, 16 to 20 mils dry film thickness.
2. Completed textured coating system shall match the accepted Mock-Up sample.

### C. FINISH TEXTURED COATING SYSTEM

1. Primer: XL 70® "W" Primer: 275-300sf/Gal (concrete surface condition may require primer).
2. TEX•STOP® Primer: 200 to 250 square feet per gallon (concrete surface condition may require primer).
3. Textured Coat: TEX•COTE® 400 Smooth Airless Coating. Spread Rates: 80 to 100 square feet per gallon per coat, 8 to 10 mil dry film thickness per coat.
4. Maintain a uniform distance and 90 degree angle to the surface, overlap slightly and avoid

"stacking", "build-up", "lapping" and "shiners".

### D. FINAL INSPECTION

1. Notify Manufacturer's Rep to conduct final inspection of TEX•COTE® 400 Textured System upon completion of job.
2. Unacceptable finishes will be corrected at the expense of the Contractor.
3. Contractor to provide Manufacturer with completed application for warranty.
4. Upon successful completion of job in accordance with the Manufacturer's instructions and this specification, Manufacturer to issue Owner LIMITED WARRANTY.

### 3.05 CLEANING AND PROTECTION

- A. During course of work, remove discarded coating materials, rubbish, cans, rags and similar construction waste from the site at the end of each workday.
- B. Upon completion of the coating work, clean window glass or other coating splattered surfaces. Protect work of other trades, whether to be coated or not, against damage by coating and finishing work. Correct any damage by cleaning, repairing or replacing, and recoating, as acceptable to the Architect.

## 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  
GUIDE SPECIFICATION



**TEX•COTE®**  
TEXTURED COATINGS OF AMERICA, INC.

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