SECTION 09 96 00

TEXTURED, HIGH BUILD, AND REFLECTIVE COATINGS

Display hidden notes to specifier. (Don't know how? [Click Here](http://www.arcat.com/sd/display_hidden_notes.shtml))

\*\* NOTE TO SPECIFIER \*\* Tex-Cote LLC; Decorative and Protective Architectural Coatings.  
This section is based on the products of Tex-Cote LLC, which is located at:  
Corporate Headquarters & Eastern Manufacturing Facility  
2422 E. 15th St.  
Panama City, FL 32405-6348  
Toll Free Tel: 800-454-0340  
Tel: 850-769-0347  
Fax: 850-913-8619  
Email: info@texcote.com  
Web: https://www.texcote.com  
  
Boca Raton,. Florida Sales Office and all Dept. of Transportation (DOT) inquiries  
7000 W. Palmetto Park Road Suite 210-W14  
Boca Raton, FL

Phone: 954-581-0771  
Fax: 954-581-9516  
  
West Coast Manufacturing Facility  
417 E. Weber Ave

Compton, CA 90222  
Phone: 323-233-3111  
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[[Click Here](http://www.arcat.com/arcatcos/cos35/arc35995.html)] for additional information.  
  
Celebrating its 61st Anniversary, Tex-Cote LLC was founded in 1961 in Los Angeles, California. Along with the National Sales Office in Boca Raton, Florida, Tex-Cote LLC has manufacturing plants in California and Florida. Distribution points are located throughout the United States, Canada and many other countries throughout the world. Tex-Cote LLC continues to add new distributors and distribution points regularly. Tex-Cote LLC is one of the leading manufacturers of specialty coatings in the world. TEX-COTE’s products have been used on some of the world's most prestigious buildings, landmark structures, FAA control towers and residential communities. Tex-Cote’s products meet the most stringent federal standards for use on military bases which require the coatings to be able to withstand the equivalent of 40 years of exterior exposure.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Textured and high-build coatings of the following types:
       1. Heat reflective exterior wall coating systems.
       2. Heat reflective roof and metal coating systems.
       3. Heat reflective concrete and wood deck coating systems.
       4. Architectural textured and smooth high build coatings.
       5. Topcoats.
       6. EIFS finishes.
       7. Penetrant sealers - water repellents and stains.
       8. Anti-graffiti coating systems.
       9. Carwash coating systems.
       10. Primers.
       11. Block fillers and patching compounds.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 04 20 00 - Unit Masonry.
    3. Section 05 12 13 - Architecturally-Exposed Structural Steel Framing.
    4. Section 05 50 00 - Metal Fabrications.
    5. Section 06 20 00 - Finish Carpentry.
    6. Section 06 40 00 - Architectural Woodwork.
    7. Section 08 11 13.13 - Standard Hollow Metal Doors and Frames.
    8. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
    9. Section 22 05 00 - Common Work Results for Plumbing.
    10. Section 26 05 00 - Common Work Results for Electrical.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
       1. ASTM B117-95 - Standard Practice for Operating Salt Spray (Fog) Apparatus. Salt Spray (Fog) 2100 hours - Pass.
       2. ASTM C1549-09 - Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer.
       3. ASTM D522-93a - Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings. 1/2 inch () Mandrel: Pass.
       4. ASTM D968 - Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive. Abrasion Resistance, Falling Sand (Liters): 2,000 with 10 percent erosion. Rating: Excellent.
       5. ASTM D6904-03 - Standard Practice for Resistance to Wind-Driven Rain for Exterior Coatings Applied on Masonry. 98 mph () Wind for 24 Hours: Pass.
       6. ASTM E84-96a - Standard Test Method for Surface Burning Characteristics of Building Materials: Class A Rating.
       7. ASTM E96-95 - Standard Test Methods for Water Vapor Transmission of Materials. Moisture Vapor Transmission: 20 Perms.
       8. ASTM G153-04 - Standard Practice for Conducting Accelerated Outdoor Exposure Tests of Coatings. 5,000 hours: Pass.
    2. Material Safety Data Sheets / Environmental Data Sheets: Per manufacturer's MSDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.
    3. South Coast Air Quality Management District (SCAQMD): Rule 1113 - Architectural Coatings.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern and color.
    2. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Protect from damage due to weather, excessive temperature, and construction operations.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Tex-Cote LLC, which is located at: Corporate Headquarters & Eastern Manufacturing Facility; 2422 E. 15th St.; Panama City, FL 32405-6348; Toll Free Tel: 800-454-0340; Tel: 850-769-0347; Fax: 850-913-8619; E-mail: [info@texcote.com](mailto:info@texcote.com). Web: <https://www.texcote.com>
         1. Contact: Architectural Resources Manager.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. HEAT REFLECTIVE EXTERIOR WALL COATING SYSTEMS
     1. Basis of Design: TEX-COTE COOLWALL Heat Reflective Wall Coating System as manufactured and supplied by Tex-Cote LLC.

\*\* NOTE TO SPECIFIER \*\* Delete color option if not required.

* + - 1. Color: \_\_\_\_\_\_.
         1. As determined by the Architect from manufacturer's selection.
      2. Finish Coat: COOWALL with Kynar: Heat reflective water based exterior coating. Meets requirements of ASTM C1549-09 Total Solar Reflectance; Surface wall temperature reduced up to 40 degrees Fahrenheit depending on color and geographical location as compared to commercial acrylic paint.
         1. VOC: Less than .42 lb./gal (50 grams per liter).
         2. Application: 175-225 sq. ft./gal., or two coats at 350-450 sq. ft./gal per coat. Wet Film Thickness: 7 to 9 mils (0.178 to 0.229 mm). Dry Film Thickness: 3 to 4 mils (0.076 to 0.102 mm).

\*\* NOTE TO SPECIFIER \*\* Delete primer option not required.

\*\* NOTE TO SPECIFIER \*\* Delete delete article if not required.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. PRIMERS

\*\* NOTE TO SPECIFIER \*\* Delete basis of design options not required.

* + 1. Basis of Design: Primer Coat TEX-COTE COOLWALL Classic HI-BUILD Smooth Primer as manufactured and supplied by Tex-Cote LLC. A multifunctional low VOC acrylic copolymer pigmented latex system.
       1. VOC: Less than .83 lb./gal. (100 grams per liter)
       2. Application: 100 sq. ft./gal, (2.45 m2/L) 9.3Wet Film Thickness: 16 to 20 mils (0.406 to 0.508 mm), Dry Film Thickness: 8 to 10 mils (0.203 to 0.254 mm).
    2. Basis of Design: Primer Coat TEX-COTE COOLWALL Classic HI-BUILD Textured Primer as manufactured and supplied by Tex-Cote LLC. A multi-functional, low VOC acrylic latex system.
       1. VOC: Less than .83 lb./gal (100 grams per liter.)
       2. Application: Apply at a rate of 50 to 80 sq. ft./ gal. (1.47 to 1.96 sq. meter per liter
       3. Texture: Smooth
       4. Texture: Sand.
       5. Texture: Fine (medium).
       6. Texture: Coarse.
    3. Basis of Design: Primer Coat TEX-COTE COOLWALL Re-Cote Primer as manufactured and supplied by Tex-Cote LLC. A low VOC 100 percent acrylic primer.
       1. VOC: .83 lb./gal (100 grams per liter).
       2. Application: Brush or roller or conventional airless to substrate at recommended coverage rate. 250 to 300 sq. ft per gal (6.14 to 7.36 sq. m per liter), depending upon surface porosity and type of finish.
    4. Basis of Design: Primer Coat TEX-COTE Metal-Prime Primer as manufactured and supplied by Tex-Cote LLC. Water based, ready-to-use primer formulated for corrosion protection and adhesion to metal surfaces.
       1. VOC: Less than .83 lb./gal (100 grams per liter).
       2. Application: Apply at a coverage rate of 300 to 400 sq. ft per gal (7.36 to 9.81 sq. m per liter).

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly constructed and prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions approved submittals and in proper relationship with adjacent construction.
   4. FIELD QUALITY CONTROL
      1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
  1. CLEANING AND PROTECTION
     1. Clean products in accordance with the manufacturers recommendations.
     2. Touch-up, repair or replace damaged products before Substantial Completion.
  2. PAINT SCHEDULE (LEED-V4.1 COMPLIANT)

\*\* NOTE TO SPECIFIER \*\* Delete products not required.

* + 1. Exterior High-Performance Paints and Coatings:
       1. Exterior Paint Systems:
          1. Concrete and Masonry (Cast in Place, Stucco, Tilt Wall, Fiber Reinforced Panels)

Smooth Finishes:

Available Crack Fillers:

TEX-COTE Flex-Patch Patching Compound.

\*\* NOTE TO SPECIFIER \*\* Delete texture options not required.

Texture: Standard.

Texture: Smooth (butter texture).

Available Primers:

TEX-COTE COOLWALL Classic HI-BUILD

TEX-COTE COOLWALL RECOAT Primer.

TEX-COTE Metal Prime Primer

TEX-COTE TEX-BOND Primer.

COOLWALL IR Heat Reflective Wall Coating System

Satin Finish System:

First Coat: TEX-COTE Classic Primer

Second Coat: TEX-COTE COOLWALL Satin

Finish Coat: TEX-COTE COOLWALL Satin

Flat/Matte Finish System:

First Coat: TEX-COTE Classic Primer

Second Coat: TEX-COTE COOLWALL HR Flat

Finish Coat: TEX-COTE COOLWALL HR Flat

Texture: Standard.

Texture: Smooth (butter texture).

* + - * 1. Concrete Masonry Units:

Smooth Finishes:

Available Crack Fillers:

TEX-COTE Flex-Patch Patching Compound.

\*\* NOTE TO SPECIFIER \*\* Delete texture options not required.

Texture: Standard.

Texture: Smooth (butter texture).

Available Primer and Block Fillers

TEX-COTE XL 70 W.

TEX-COTE Latex Block Filler.

\*\* NOTE TO SPECIFIER \*\* Delete texture options not required.

Texture: Standard.

Texture: Smooth (butter texture).

TEX-COTE COOLWALL RECOAT Primer.

REFLECT-TEC IR Heat Reflective KYNAR Coating:

Satin Finish System:

First Coat: TEX-COTE BLOCK FILLER.

Second Coat: TEX-COTE Primer 27W.

Finish Coat: TEX-COTE REFLECT-TEC Semi-Gloss Finish.

COOLWALL IR Heat Reflective Wall Coating System

Satin Finish System:

First Coat: TEX-COTE LATEX BLOCK FILLER

Second Coat: TEX-COTE Classic Primer

Finish Coat: TEX-COTE COOLWALL Satin

Flat/Matte Finish System:

First Coat: TEX-COTE LATEX BLOCK FILLER

Second Coat: TEX-COTE Classic Primer

Finish Coat: TEX-COTE COOLWALL HR Flat

END OF SECTION