

## SECTION 09941

### TEXTURED FINISHING

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Spray Applied Textured Finish and Primer
    - a. Textured Finish for Ceilings.
    - b. Textured Finish for Walls.
- B. Related Sections:
  - 1. Section 06200 - Finish Carpentry
  - 2. Section 07920 – Joint Sealants
  - 3. Section 09260 – Gypsum Board Assemblies
  - 4. Section 09900 - Painting

##### 1.2 REFERENCES

- A. ASTM International (ASTM) Publications:
  - 1. C11 "Standard Terminology Relating to Gypsum and Related Building Materials and Systems"
  - 2. C475 "Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board"
  - 3. C840 "Standard Specification for Application and Finishing of Gypsum Board"
  - 4. D3273 "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber"
  - 5. E84 "Standard Test Method for Surface Burning Characteristics of Building Materials"
  - 6. E90 "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements"
  - 7. E119 "Standard Test Methods for Fire Tests of Building Construction and Materials"
  - 8. E413 "Classification for Rating Sound Insulation"
- B. Gypsum Association (GA) Publications:
  - 1. GA-214 "Recommended Levels of Gypsum Board Finish"
  - 2. GA-216 "Application and Finishing Of Gypsum Panel Products"
  - 3. GA-505 for definitions of terms for gypsum board assemblies not defined in this Section
- C. United States Gypsum Co. (USG):
  - 1. "Gypsum Construction Handbook"

### 1.3 DEFINITIONS

- A. Gypsum Board Construction Terminology: Refer to ASTM C11 and GA-505 for definitions of terms for gypsum board construction not otherwise defined in this Section or other referenced standards.

### 1.4 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 01 Specification Sections:
  - 1. Submit Product Data for each type of product specified, including preparation and application recommendations.
  - 2. Samples: Submit two representative samples of each major type of surface or material. Do not proceed with final application of textured finish until samples are approved.
  - 3. Shop Drawings: Show locations, fabrication, and installation of control and expansion joints including plans, elevations, sections, details of components, and attachments to other units of Work.
  - 4. Written Certification by the manufacturer of applicator's certification to install textured finish system.

### 1.5 QUALITY ASSURANCE

- A. Spray applied textured finish installers shall have successfully completed within last three years, at least three textured coating applications similar in type and size of this project and which is approved and certified by manufacturer of textured finish system materials.
- B. Benchmark Samples (Mockups): Provide a full-coat benchmark finish sample for each type of coating and substrate required.
  - 1. Provide an application in one Guest Room for acceptance by the Owner's Representative and to represent surfaces and conditions for application of each type of coating and substrate and serve as a sample standard of quality for the balance of the work.
  - 2. Apply benchmark samples, according to requirements for the completed Work, after permanent lighting and other environmental services have been activated. Provide required color and texture on each surface.
  - 3. Rework sample room if necessary to obtain Architect's acceptance.
  - 4. Final approval of textures and colors will be from benchmark samples.
- C. Coordination:
  - 1. Review other sections of these specifications in which prime paints, raw substrates, or other substances might be present to ensure compatibility of total coatings system. Upon request from other trades, furnish information, or characteristics of coating materials to ensure compatible substrate materials and finishes are used.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages, containers, or bundles bearing brand name and identification of manufacturer or supplier.
  - 1. Product Name or Title of Material
  - 2. Product Description (Generic Classification or Binder Type)
  - 3. Manufacturer's Stock Number and Date of Manufacture
  - 4. Contents by Volume, for Pigment and Vehicle Constituents
  - 5. Application Instructions
  - 6. Color Name and Number
  - 7. VOC Content
- B. Approved materials without the above information will **NOT** be allowed on the Project site.
- C. Store materials inside under cover and keep them dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, and other causes in strict accordance with manufacturer's recommendations.

## 1.7 PROJECT CONDITIONS

- A. Environmental Conditions, General: Establish and maintain environmental conditions for finishing gypsum board to comply with ASTM C840 manufacturers recommendations as to environmental conditions under which coating can be applied, whichever are more stringent.
- B. Room Temperatures: Maintain temperature at not less than 65 degrees F during installation. Do not exceed 95 deg. F when using temporary heat sources.
- C. Ventilate building spaces to remove water not required for drying joint treatment materials. Avoid drafts during dry, hot weather to prevent materials from drying too rapidly.
  - 1. Provide adequate ventilation to permit drying during curing.

## 1.8 EXTRA MATERIALS

- A. Furnish extra textured top coating materials from the same production run as the materials applied in the quantities described below. Package textured coating materials in unopened, factory-sealed containers for storage.
  - 1. Quantity: Furnish the Owner with two gallons of each material and color applied in addition to any leftover amounts.
  - 2. All cans shall be labeled with color names and color formula numbers.

## 1.9 WARRANTY

- A. Special Warranty:
  - 1. Warranty period is 5 years after date of Substantial Completion for labor and material against Mold, Mildew and Algae.

## PART 2 - PRODUCTS

### 2.1 SPRAY APPLIED TEXTURED FINISH

- A. Textured Finish for Ceilings and Walls:
1. Approved Manufacturers:
    - a. "Sheetrock Wall and Ceiling Spray Texture "Tuf Tex" - Spatter Knockdown, United States Gypsum Co. (312-606-4000)
    - b. "Perfect Spray EM" Spatter Knockdown; National Gypsum Company, Gold Bond Building Products Div. (800-628-4662)
- B. Textured Finish for Walls – Mildew Prone Locations:
1. General: Rating of 10 "No Mold Growth" as tested for 4 weeks according to ASTM D3273.
    - a. Texture: Medium "Orange Peel".
    - b. Finish color: To be selected from a selection of standard colors by the Architect.
    - c. Uniform color with no areas or spots of discoloration.
    - d. System must have integral color throughout thickness of system.
  2. Approved Manufacturers:
    - a. "Texturi Systems 3"; Comex Paints USA (210-639-6069)
      - 1) VOC: <50 g/L
      - 2) Total System Dry Film Thickness (DFT): 15 to 20 mils
    - b. "Supreme-Tex Acrylic Textures"; U.S. Textures, Inc. (800-414-8805)
      - 1) VOC: <50 g/L
      - 2) Total System Dry Film Thickness (DFT): 16 to 25 mils
    - c. "Commercial Texture System 3000"; Litex Finishing Systems, Inc. (800-340-0361)
      1. VOC: <50 g/L
      2. Total System Dry Film Thickness (DFT): 12 to 20 mils
- C. Textured Finish Auxiliary Materials:
1. General: Provide auxiliary materials for textured finish materials to comply with referenced installation standards and the recommendations of the manufacturer of the textured finishes.
  2. Primer: Of type recommended by textured finish manufacturer.
  3. Polystyrene Aggregated Finish for Ceilings: Factory-packaged proprietary powder product formulated with polystyrene aggregates for mixing with water at Project site to produce the texture indicated below by spray application, with flame-spread and smoke-developed ratings of not more than 25 per ASTM E84:
    - a. Texture: Medium "Orange Peel".
  4. Water: All water used in system shall be clean and free from deleterious amounts of foreign material.
  5. Other Materials: All other materials not specifically described but required for a complete and proper installation of the textured finish shall be as selected by the Contractor, subject to approval by the Architect.
  6. Damaged Drywall Sealer (Torn and damaged gypsum board facing paper):

- a. Approved Manufacturers:
  - 1) "GARDZ Damaged Drywall Sealer"; Rust-Oleum Corporation, an RPM Company (732-469-8100)
- 7. Germicidal Detergent: Use if mold and mildew has been found.
  - a. Approved Manufacturers:
    - 1) "X-14 Professional Instant Mildew Stain Remover"; WD-40 Company (888-324-7596)
    - 2) "Tilex Mold & Mildew Remover"; Clorox Co. (800-227-1860)
    - 3) "Tilex Mildew Root Penetrator and Remover"; Clorox Co. (800-227-1860)

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine substrates with Installer present, to which textured finish will be applied, for compliance with requirements for installation tolerances and other conditions affecting performance of finishes specified in this Section.
- B. Installer shall examine areas and conditions under which coating work is to be applied and notify the Contractor in writing of conditions detrimental to proper and timely completion of the work.
- C. Do not proceed with installation until unsatisfactory conditions have been corrected.

### **3.2 PREPARATION - SPRAY APPLIED TEXTURED FINISH**

- A. General: Remove hardware and hardware accessories, plates, machined surfaces, light fixtures, and similar items already installed that are not to be coated. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and coating.
  - 1. After completing coating operations in each area, reinstall items removed using workers skilled in trades involved.
- B. Cleaning: Before applying coatings or other surface treatments, clean substrates of substances in accordance with manufacturer's recommendations that could impair bond of coating systems. Remove oil and grease before cleaning.
  - 1. Schedule cleaning and coating application so dust and other contaminants from cleaning operations will not fall on wet, newly coated surfaces.
- C. Surface Preparation: Clean and prepare surfaces to be coated according to the manufacturer's written instructions for the particular substrate conditions, and as specified.
  - 1. Surface Preparation and Primer: Prepare and apply primer to gypsum panels and other surfaces receiving texture finishes according to texture finish manufacturer's instructions. Apply primer only to surfaces that are clean, dry, and smooth. Primer: Apply at not less than manufacturer's recommended spreading rate, to establish a total dry film thickness recommended by coating manufacturer.

2. Accent Walls may require special wall preparation, refer to manufacturer's recommendations.
3. Gypsum Board Preparation:
  - a. Treat joints and fastener heads in accordance with spray applied finish manufacturer's recommendations and Section 09 21 16 "Gypsum Board Assemblies".
  - b. Fill and smooth scratches and scuffs in gypsum board surfaces.
  - c. Allow gypsum board joint treatment and fillers to thoroughly dry before application.

### 3.3 INSTALLATION - SPRAY APPLIED TEXTURED FINISH

- A. Application Procedures - Spatter Knockdown Finish:
  1. Apply primer to wallboard after all wallboard joints are finished, prior to spatter application.
  2. Mix spatter to heavy latex paint-like consistency. Do not add paint to spatter mixture.
  3. Paint is to be applied after texturing has been completed.
  4. When primer is fully dry, apply spatter with spray gun in a rapid random fashion standing approximately six-feet from surface.
  5. For Knockdown Finish: After splattering surface, wait 3 to 20 minutes, then lightly flatten only tops of spatters with clear knockdown blade, flat blade or flat hand trowel. Application may vary based on wall conditions, projects conditions, and selected finish.
  6. Amount, size or density of spatters depends on pressures used, preference and humidity. Final texture as approved by the Architect.

### 3.4 ADJUST AND CLEAN

- A. Touch-up, repair or replace damaged finishes as necessary to restore coating work to a new and unblemished condition.
- B. Clean spilled or splattered materials from adjacent surfaces not to be coated, immediately before coating has achieved an initial set. Do not scratch or damage adjacent finished surfaces.
- C. Repair floors, walls, and other surfaces which have been stained, marred, or otherwise damaged during the textured finish application. Daily remove unused materials, containers, and equipment. Clean floors and leave broom clean.
  1. When installing more than one batch, definable areas where each batch was applied. Then, retain an appropriate amount of this material to complete punch-out touch ups.

### 3.5 PROTECTION

- A. Provide final protection and maintain conditions, in a manner suitable to installer, which ensures textured finishes being without damage or deterioration at time of Substantial Completion.

END OF SECTION