

SECTION 09 01 50 - ACOUSTICAL TILE RESTORATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes
 - 1. Restoration of existing acoustical ceiling tile.

1.2 PERFORMANCE REQUIREMENTS

- A. Shall not reduce noise reduction properties of existing ceiling tile.
- B. Coating shall not bridge gap between panels and grids.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, including application instructions.
- B. Test Reports: Submit manufacturer's test reports from testing performed by an independent laboratory of tile coated with acoustical tile coating.
 - 1. Sound absorption.
 - 2. Fire Rating:
 - a. Flame spread.
 - b. Smoke developed.
 - 3. Light reflectance.
 - 4. Combustion toxicity.
 - 5. Aging.

1.4 QUALITY ASSURANCE

- A. Applicator's Qualifications: Applicator experienced in application of specified materials for a minimum of 5 years on projects of similar size and complexity.
 - 1. Use applicator experienced in application of specified materials in fully occupied commercial facilities.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Minimum Application Temperature: 55 degrees F (12.8 degrees C)

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Products: ProCoat Products, Inc.; ProCoustic Acoustical Tile and Ceiling Coating

2.2 RESTORATION MATERIALS

- A. Acoustical Tile Coating:

- 1. Vehicle: Vinyl acrylic resin.
- 2. Sound Absorption: ASTM C 423 and E 795, NRC 0.60.
- 3. Fire Rating, ASTM E 84: Class A flame spread when applied to surface of acoustical ceiling tiles at a rate of 300 square feet per gallon.
 - a. Flame Spread: 15.
 - b. Smoke Developed: 5.
- 4. Color: White.

- B. Grid Cleaning Solution: As recommended by ceiling coating manufacturer, chemically compatible with acoustical tile coating.

- C. Acoustical Tile Cleaner:

- 1. As recommended by ceiling coating manufacturer,
- 2. Chemically compatible with acoustical tile coating.
- 3. Does not leave contaminants that could bleed through and discolor acoustical tile coating.
- 4. Odorless, biodegradable, and fabric safe.
- 5. Does not contain caustic bleaches.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine ceilings to receive restoration of acoustical tile. Notify Owner's Representative if ceilings are not structurally sound. Do not begin application until unacceptable conditions have been corrected.

3.2 PROTECTION

- A. Cover walls, floors, equipment, furnishings, merchandise, and other surfaces to be protected against dry-fall spray dust with plastic sheets or drop cloths.
- B. Mask light fixtures, sprinkler heads, smoke detectors, security lights, and other items to be protected against direct spray.

3.3 SURFACE PREPARATION

- A. Prepare surfaces in accordance with manufacturer's instructions.
- B. Replace damaged and broken tiles with new tiles or used tiles approved by Owner's Representative.
- C. Pretreat ceiling water stains with a primer/sealer.
- D. Apply grid cleaning solution to grids and other nonporous surfaces to be coated to remove dirt, oil, grease, nicotine, and other contaminants to ensure proper bonding of acoustical tile coating.
- E. Pretreat tiles saturated with grease or nicotine with acoustical tile cleaner to prevent discoloration of acoustical tile coating.

3.4 APPLICATION

- A. Apply acoustical tile coating in accordance with manufacturer's instructions at ceiling locations indicated on Drawings.
- B. Spray acoustical tile coating on acoustical ceiling tiles and exposed suspension grid system.

3.5 CLEANING

- A. Remove protective plastic sheets, drop cloths, and masking materials.
- B. Remove remaining spray dust.

END OF SECTION 09 01 50

BLANK SHEET