

**SECTION 09 6700
FLUID-APPLIED FLOORING**

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Fluid-applied flooring.
- B. Divider strips and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 09 0561 - Common Work Results for Flooring Preparation.
- B. Section 09 9123 - Interior Painting: Epoxy paints or coatings on surfaces other than floors.

1.03 REFERENCE STANDARDS

- A. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.

1.04 SUBMITTALS

- A. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available .
- B. Samples: Submit three samples, 4 x 6 inch in size illustrating color and pattern for each floor material for each color specified.
- C. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and application rate for each coat.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the work of this section.
 - 1. Minimum 5 years of experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site under provisions of Section 01600.
- B. Deliver materials in original containers with seals unbroken and labels intact.
- C. Store resin materials in a dry, secure area.
- D. Store materials for three days prior to installation in area of installation to achieve temperature stability.
- E. Comply with applicable health and fire regulations.

1.07 FIELD CONDITIONS

- A. Maintain minimum temperature in storage area of 55 degrees F.
- B. Store materials in area of installation for minimum period of 48 hours prior to installation.
- C. Maintain ambient temperature required by manufacturer 48 hours prior to, during, and 72 hours after installation of materials.

1.08 WARRANTY:

- A. Provide two year warranty under provisions of Section 01 7000.
- B. Warranty: Include coverage against flooring delamination from substrate and degradation of surface finish.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Fluid-Applied Flooring:
 - 1. Sherwin Williams: General Polymers: Basis of Design.
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- a. Epoxy, two component, chemical resistant, colored.
- b. Base Coat: 3579 Standard Epoxy Primer/Binder, 5 to 6 mils dry film thickness.
- c. Top Coat: 4638 HS Polyurethane Floor Enamel, 3 mils dry film thickness.
- d. Capable of resisting spills containing up to 20% solution of sulphuric acid without
- e. damage to coating.
- f. Color: As indicated on drawings
- g. Slip Resistance Aggregate:
 - 1) Scrubber Dump 23 mils
 - 2) All other locations 12 mils
- 2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 ACCESSORIES

- A. Control/Expansion Joint Filler: as recommended by manufacturer.
- B. Floor Strips: Furnish where flooring does not terminate at a wall.
- C. Subfloor Filler: Type recommended by fluid-applied flooring manufacturer.
- D. Primer: Type recommended by fluid-applied flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive flooring.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive flooring.
- C. Verify that concrete sub-floor surfaces are ready for flooring installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by flooring materials manufacturer.
- D. Do not proceed with surface preparation or coating applications until conditions are suitable. If test results.
- E. Beginning of installation means acceptance of existing surfaces and substrate.

3.02 PREPARATION

- A. Adhere to manufacturer's stated floor preparation.
- B. Remove subfloor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with subfloor filler.
- C. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Grind irregularities above the surface level. Prohibit traffic until filler is cured.
- D. Vacuum clean substrate.

3.03 INSTALLATION - ACCESSORIES

- A. Accurately saw cut substrate to install divider strips.
- B. Install strips straight and level to locations indicated.
- C. Install fillet strips at base of walls where flooring is to be extended up wall as base.

3.04 INSTALLATION - FLOORING

- A. Apply in accordance with manufacturer's instructions.

3.05 PROTECTION

- A. Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION 09 6700