SECTION 09.67.00
FLUID-APPLIED FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES
A. Fluid-applied flooring.

1.02 RELATED REQUIREMENTS
A. Section 07.92.00 - Joint Sealants: Sealing joints between fluid-applied flooring and adjacent construction and fixtures.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS
A. See Section 01.30.00 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.
C. Samples: Submit two samples, 6 x 6 inch in size illustrating color and pattern for each floor material for each color specified.
D. Manufacturer's Installation Instructions: Indicate special procedures.
E. Maintenance Data: Include maintenance procedures, recommended maintenance materials, procedures for stain removal, repairing surface, and suggested schedule for cleaning.
F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. Extra Flooring Material: 2 gallons of each color installed.

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 three years of documented experience.
   2. Approved by manufacturer.
C. Supervisor Qualifications: Trained by product manufacturer, under direct full time supervision of manufacturer's own foreman.

1.06 DELIVERY, STORAGE, AND HANDLING
A. Store resin materials in a dry, secure area.
B. Store materials for three days prior to installation in area of installation to achieve temperature stability.

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 24 hours prior to installation.
C. Maintain ambient temperature required by manufacturer 72 hours prior to, during, and 24 hours after installation of materials.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Fluid-Applied Flooring: Epoxy base coat(s) with embedded quartz aggregate.
   1. Top Coat: Polyurethane.
   2. Thickness: 1/4 inch, nominal, when dry.
   3. Texture: Slip resistant.
   5. Color: As selected by Architect.
   6. Products:
      a. Stonhard; Stonblend GSI.
      b. Substitutions: See Section 01.60.00 - Product Requirements.

2.02 ACCESSORIES

A. Divider Strips: Zinc, ____ inch thick, height to match flooring thickness, with anchoring features; ________ color.
B. Control Joint Strips: Match divider strips; ____ inch nominal width, 1/8 inch wide neoprene filler strip between side strips, with anchoring features, strip height to suit flooring thickness.
C. Base Caps, and Separator Strips: Match divider strips, with projecting base of 1/8 inch.
D. Cant Strips: Molded of flooring resin material.
E. Subfloor Filler: White premix latex; type recommended by flooring material manufacturer.
F. Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that sub-floor 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 sub-floor surfaces are dust-free and free of substances that could impair bonding of materials to sub-floor surfaces.
D. 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.
E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with sub-floor filler.
B. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Grind irregularities above the surface level. Prohibit traffic until filler is cured.
C. Vacuum clean substrate.
D. Apply primer to surfaces required by flooring manufacturer.

3.03 INSTALLATION - STRIPS
A. Accurately saw cut substrate to install divider strips.
B. Install strips straight and level to locations indicated.
C. Install cant strips at base of walls where flooring is to be extended up wall as base.
D. Install base divider strips to match floor pattern. Install terminating cap strip at top of base; attach securely to wall substrate.

3.04 INSTALLATION - FLOORING
A. Apply in accordance with manufacturer's instructions.
B. Apply each coat to minimum thickness indicated.
C. Finish to smooth level surface.
D. Cove at vertical surfaces.

3.05 PROTECTION
A. Prohibit traffic on floor finish for 48 hours after installation.
B. Barricade area to protect flooring until fully cured.

END OF SECTION