

SECTION 09 67 00
FLUID-APPLIED FLOORING

SPEC WRITER NOTES:

1. Use this section only for NCA projects.
2. Delete between //---// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs. Delete waterproof membrane for slabs on grade.

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section covers a traffic bearing, trowel applied, vinyl resin, neoprene resin, or polyacrylate resin flooring system. //Incorporate a reinforced elastomeric waterproof membrane with the latex mastic flooring.//

1.2 RELATED WORK

- A. Color of Flooring: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURERS AND INSTALLERS QUALIFICATIONS

- A. Approval by Contracting Officer is required of products or service of proposed manufacturer, suppliers and installers, and will be based upon submission by Contractor of certification that:
- B. Manufacturer regularly and presently manufactures latex mastic flooring as specified as one of his principal products.
- C. Installer has technical qualifications, experience, factory trained personnel and facilities to install specified items. Approval will not be given, however, where experience record is one of unsatisfactory performance.
- D. Manufacturer's product submitted has been in satisfactory and efficient operation on three installations similar and equivalent to this project for three years. Submit list of installations.

1.4 SUSTAINABILITY REQUIREMENTS

- A. Materials in this section may contribute towards contract compliance with sustainability requirements. See Section 01 81 11, SUSTAINABLE DESIGN REQUIREMENTS, for project // local/regional materials, // low-emitting materials, // recycled content, // _____// requirements.

1.5 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

- B. Samples: Latex mastic flooring, troweled sample on plywood, 300 mm (one foot) square, each color specified; sample to be the thickness and composition of the selected flooring.
- C. Manufacturer's Literature and Data: Description of mastic flooring material // including waterproof membrane //installation instructions.
- D. Certificates:
 1. Document manufacturers' and installers' qualifications as specified.
 2. Provide certificate stating that latex mastic flooring meets specified requirements and that it is unaffected by urine or other body waste matter.
 3. Provide documentation from an independent testing agency, indicating compliance with the FloorScore standard.

1.6 PRODUCT DELIVERY AND STORAGE

- A. Deliver materials to the job site in original sealed containers, labeled for identification with the manufacturer's name and brand.
- B. Store the unopened containers in a dry enclosed area, where temperature is maintained at 10 °C (50 °F) or above.

1.7 WARRANTY

- A. Work subject to the terms of Article "Warranty of Construction" FAR clause 52.246-21.
- B. Warranty period extended to two years.

1.8 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to extent referenced. Publications are referenced in text by the basic designation only. Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.

SPEC WRITER NOTES:

1. Remove reference citations that do not remain in Part 2 or Part 3 of edited specification.
2. Verify and make dates indicated for remaining citations the most current at date of submittal; determine changes from date indicated on the TIL download of the section and modify requirements impacted by the changes.

- B. American Society for Testing and Materials (ASTM):

B221M-21	Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes
C267-20	Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing

C413-18	Absorption of Chemical-Resistant Mortars, Grouts, and Monolithic Surfacing, and Polymer Concretes
C580-18	Flexural Strength and Modulus of Elasticity of Chemical Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concretes
C722-18	Chemical-Resistant Resin Monolithic Surfacing
C882/C882M-20	Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear
D635-22	Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
D2047-17	Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine
D2240-15 (2021)	Rubber Property - Durometer Hardness
D4060-19	Abrasion Resistance of Organic Coatings by the Taber Abraser
F1869-22	Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
F2170-19a	Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

PART 2 - PRODUCTS

SPEC WRITER NOTES:

1. Make material requirements agree with applicable requirements specified in the referenced Applicable Publications. Update and specify only that which applies to the project.

2.1 LATEX MASTIC FLOORING

- A. Comply with requirements of FloorScore standard.

SPEC WRITER NOTES:

1. Delete waterproof membrane for slabs on grade.

//2.2 WATERPROOF MEMBRANE

- A. Neoprene emulsion or elastomeric polyurethane resin reinforced with fiberglass net or cloth //.

PART 3 - EXECUTION**3.1 PREPARING SUBFLOORS**

//A. Remove any existing resilient flooring and condition subfloors to provide smooth, clean continuous surfaces //. Fill holes and cracks in concrete subfloors with a crack filler compatible with the specified mastic flooring //.

3.2 APPLICATION

//A. Install waterproof membrane in accordance with manufacturer's specifications and turn up on vertical surfaces behind base. //

//A. Trowel apply mastic flooring to a minimum thickness of 5 mm (3/16 inch) minimum. Application must be smooth, uniform and cannot reflect slight imperfections in the sub-floor.//

B. Cove Base:

1. At the intersection of the wall with the floor, create a 13 mm (1/2 inch) radius cove and extend the floor material up the wall 150 mm (6 inches).
2. Feather top of base to a uniform line. Coordinate the top of the base with the wall finish application to provide a water tight intersection.

C. Slab Penetrations: Projections through the slab such as columns and pipes to receive the integral treatment specified for the base. Trowel the material into the deck flange of floor drains to provide a water tight installation.

- - - E N D - - -