SECTION 09750
LATEX MASTIC FLOORING
DEX-O-TEX NEOTEX 261

PART 1.00 - GENERAL

1.01 GENERAL REQUIREMENTS

A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.02 WORK INCLUDED

A. Work of this Section includes all labor, materials, equipment and services necessary to complete the latex mastic flooring as scheduled on the drawings and/or specified herein.

1.03 RELATED WORK

A. Concrete - Section 03300.
(Note to Specifier: Concrete should be either water cured or cured using sodium silicate curing compounds only. Other types of curing compounds are generally not acceptable. Concrete should be cured for a minimum of 28 days. On grade floors should have vapor retarder beneath slab.)

B. Floor drains - Division 15.
(Note to Specifier: Floor drains, clean-outs, etc. should be of the "floor-flange" type as manufactured for use with composition floors by most major drain manufacturers.)

1.04 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

B. Product Data: Submit manufacturer's technical data, application instructions and general recommendations for the latex mastic flooring specified herein.

C. LEED Submittals:
1. Product Data for Credit MR 4.1 and Credit MR 4.2: For products having recycled content, submit documentation indicating percentages by weight of postconsumer and preconsumer recycled content.
   a. Include statement indicating costs for each product having recycled content.
   b. Include LEED Product Information Form for LEED Credits MR 4.1 and 4.2.
2. Product Data for Credit EQ 4.2: For field applied, interior, paints coatings and primers, include printed statement of VOC content indicating compliance with Credit requirements.
   a. Include LEED Product Information Form for LEED Credit EQ 4.2.
3. Provide additional documentation for products as required to achieve each Credit(s).

D. Samples
1. Submit 2-1/2" x 4" samples of underlayment as designated by the Architect.

E. Material certificates signed by manufacturer certifying that the latex mastic flooring complies with requirement specified herein.

1.05 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced Installer or applicator who has specialized in installing latex mastic flooring, types similar to that required for this Project and who is acceptable to manufacturer of primary materials.

B. Single-Source Responsibility: Obtain latex mastic composition materials, including primers, resins, hardening agents, and finish or sealing coats, from a single manufacturer.

C. Request for substitution: Request for material approvals must be submitted to the architect two weeks prior to the bid date, including complete application specifications, physical characteristics and chemical data. Request will not be accepted after this date. Failure of performance requires immediate removal and replacement of substituted materials with those originally specified at no cost to the owner, architect, construction manager, or general contractor.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components.

B. Store materials to comply with manufacturer's directions to prevent deterioration from moisture, heat, cold, direct sunlight, or other detrimental effects.

1.07 PROJECT CONDITIONS

A. Environmental Conditions: Comply with latex mastic flooring manufacturer's directions for maintenance of ambient and substrate temperature, moisture, humidity, ventilation, and other conditions required to execute and protect Work.

B. Lighting: Permanent lighting will be in place and working before installing resinous polyacrylate.

PART 2.00 - PRODUCTS

2.01 MATERIALS

A. Troweled latex mastic flooring shall be Dex-O-Tex Neotex 261 as manufactured by Crossfield Products Corp. in Rancho Dominguez, California and Roselle Park, New Jersey

2.02 PROPERTIES

A. Physical Properties:
Provide latex mastic flooring system that meets or exceeds the listed minimum physical property requirements when tested according to the referenced standard test method in parentheses.

Compressive Strength (ASTM C109):	5,450 psi.
Tensile Strength (ASTM C190):	889 psi.
Surface Hardness (ASTM D2240)	Scale "D" 80
Water Absorption (MIL-PRF-3134):	3.4 percent max.
Indentation (MIL-PRF-3134):	0.034 indentation
Impact Resistance (Gardner Impact Tester):	No chipping, cracking, or delamination and not more than 0.014"
Adhesion (A.C.I. Comm. No. 403):	301 psi
Flammability (NFPA 101-88)	Class 1 Interior Finish
Coefficient of Thermal Expansion (ASTM C531)	-6 2.82 X 10

PART 3.00 - EXECUTION

3.01 INSPECTION

A. Examine the areas and conditions where the latex mastic flooring is to be installed and notify the Architect of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected by the Contractor in a manner acceptable to the Architect.

3.02 PREPARATION

A. Substrate: Perform preparation and cleaning procedures according to latex mastic flooring manufacturer's instructions for particular substrate conditions involved, and as specified. Provide clean, dry, and neutral substrate for application of latex mastic flooring.

B. Concrete Surfaces: Shot-blast, acid etch or power scarify as required to obtain optimum bond of latex mastic to concrete. Remove sufficient material to provide a sound surface free of laitance, glaze, efflorescence, and any bond-inhibiting curing compounds or form release agents. Remove grease, oil, and other penetrating contaminates. Repair damaged and deteriorated concrete to acceptable condition. Leave surface free of dust, dirt, laitance, and efflorescence.

C. Materials: Mix resin catalyst and aggregate when required, and prepare materials according to latex mastic flooring system manufacturer's instructions.

3.03 APPLICATION

A. General: Apply each component of latex mastic flooring system according to manufacturer's directions to produce a uniform monolithic latex mastic surface of thickness indicated.

B. Bond Coat: Apply bond coat over prepared substrate at manufacturer's recommended spreading rate.

C. Body Coat: Over primer, trowel apply latex mastic mortar mix at nominal thickness of 1/4 inch; hand or power trowel. When cured, sand or grind if necessary to remove trowel marks and roughness.

D. Grout Coat: Apply grout to fill porosity in the latex mastic. Provide a smooth even finish. When cured, sand or grind if necessary to remove trowel marks.

E. Finish Coats: Apply two coats of DC Finish, or Colorseal over the prepared surface. Take care to provide a smooth even finish.

3.04 CURING, PROTECTION AND CLEANING

A. Cure latex mastic flooring materials according to manufacturer's directions, taking care to prevent contamination during application stages and before completing curing process. Close application area for a minimum of 24 hours after application of the final finish.

END OF SECTION

DEX-O-TEX PRODUCT LINE
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