SECTION 07 14 21
LATEX MASTIC DECK COVERING

SPEC WRITER NOTE: Delete between //----// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.

PART 1 - GENERAL

1.1 DESCRIPTION
This section specifies latex mastic covering for waterproofing deck surfacing.

1.2 RELATED WORK
Color of deck covering: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURER'S QUALIFICATIONS
Latex mastic deck covering shall be a product of a manufacturer regularly engaged in producing and supplying latex mastic deck covering as specified.

1.4 APPLICATOR’S QUALIFICATIONS
Deck covering installation shall be performed by an applicator approved by the manufacturer.

1.5 APPLICABLE PUBLICATIONS
A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only.
B. American Society for Testing and Materials (ASTM):
   D412-06 ................. Vulcanized Rubber and Thermoplastic Elastomers—Tension.
   D570-98(R2010) ......... Water Absorption of Plastics
   D903-98(R2010) .......... Peel or Stripping Strength of Adhesive Bonds.
   D2240-05(R2010) ......... Rubber Property—Durometer Hardness.

1.6 SUBMITTALS
A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
B. Samples: 150 mm (6 inch) square, each color.
C. Manufacturer's Literature and Data:
   1. Latex mastic deck covering.
   2. Installation instructions.
D. Certificates:
   1. Compliance of material with specification requirements.
2. Manufacturer’s qualifications as specified.
3. Applicator’s qualifications as specified.

1.7 DELIVERY
Deliver materials to job site in original sealed containers identified with manufacturer's name and brand.

1.8 WARRANTY
Deck covering and integral flashing is subject to the "Warranty of Construction", FAR clause 52.246-21, except that the warranty period against leaks or other failures, over and above normal wear and structural failure of the substructure, is two years in lieu of one year.

PART 2 - PRODUCTS
2.1 Product shall be a trowel applied elastomeric material meeting all performance requirements specified and designed primarily for waterproofing deck surfacing.

2.2 PERFORMANCE REQUIREMENTS
A. Tensile Strength: ASTM D412: Not less than 7240 KPa (1050 psi).
B. Water Transmission: ASTM D570: None when subjected to a water pressure of 345 KPa (50 psi) for a period of one hour.
C. Hardness: ASTM D2240: 60-70 Shore “A”.
D. Adhesive Strength: ASTM D-903: Not less than 1035 kPa (150 psi).
E. Weight: 1.8 kg/m² (0.45 lbs psf).
F. Elongation: ASTM D412: 500 percent.

2.3 The topcoat shall be of the specified color.

PART 3 - EXECUTION
3.1 INSTALLATION
A. Prepare surface by removing dirt or other foreign matter including any concrete curing agents.
B. Apply epoxy primer by roller.
C. Apply basecoat and pigmented topcoat as per manufacturer’s instructions. Turn up the material against walls to form an integral waterproof membrane.
D. Typical finish of two coats shall be minimum 2 mm (1/16 inch).

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