

**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:**

A. This section specifies latex mastic covering for waterproofing deck surfacing.

**1.2 RELATED WORK:**

A. Color of deck covering: Section 09 06 00, SCHEDULE FOR FINISHES.

**1.3 QUALITY ASSURANCE:**

A. Manufacturer's Qualifications: Latex mastic deck covering manufacturer to have a minimum of five (5) years' experience in manufacturing latex mastic deck covering products specified herein. Obtain products from single manufacturer or from sources recommended by manufacturer for use with latex mastic deck covering and incorporated in manufacturer's warranty. Submit manufacturer's qualifications.

B. Installers Qualifications: Work is to be performed by installer having three (3) years' experience for work relating to this section and approved in writing by latex mastic deck covering manufacturer. Submit installer qualifications.

**1.4 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. ASTM International (ASTM):
  - D412-06a(R2013).....Vulcanized Rubber and Thermoplastic Elastomers-Tension
  - D570-98(R2010)e1.....Water Absorption of Plastics
  - D903-98(R2010).....Peel or Stripping Strength of Adhesive Bonds
  - D2240-05(R2010).....Rubber Property-Durometer Hardness

**1.5 SUBMITTALS:**

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

B. Samples: 152 mm (6 inch) square, each color.

C. Manufacturer's Literature and Data:

1. Latex mastic deck covering.
2. Installation instructions.
3. Primer.

D. Certificates:

1. Compliance of material with specification requirements.
2. Manufacturer's qualifications as specified.
3. Installer's qualifications as specified.

E. Manufacturer warranty.

**1.6 DELIVERY:**

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

**1.7 WARRANTY:**

- A. Construction Warranty: Comply with FAR clause 52.246-21 "Warranty of Construction".
- B. Manufacturer Warranty: Manufacturer shall warranty their latex mastic deck covering for a minimum of five (5) // // years starting from the date of installation and final acceptance by the Government. Submit manufacturer warranty.

**PART 2 - PRODUCTS**

**2.1 LATEX MASTIC DECK COVERING:**

- A. Product to be a trowel applied elastomeric material meeting all performance requirements specified and designed primarily for waterproofing deck surfacing.

**2.2 PRIMER:**

- A. As recommended by the Latex Mastic Covering manufacturer.

**2.3 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 (1) hour.
- C. Hardness: ASTM D2240: 60-70 Shore "A".
- D. Adhesive Strength: ASTM D903: Not less than 1035 kPa (150 psi).
- E. Weight: 1.8 kg per sq. m (0.45 lbs. per sq. ft.).
- F. Elongation: ASTM D412: 500 percent (of original benchmark distance).
- G. The topcoat to be of the specified color in Section 09 06 00, SCHEDULE FOR FINISHES.

**PART 3 - EXECUTION**

**3.1 ENVIRONMENTAL REQUIREMENTS:**

- A. Apply deck covering coating as per the manufacturer's written instructions.

**3.2 INSTALLATION:**

- A. Prepare surface by removing dirt or other foreign matter including any concrete curing agents.
- B. Apply 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. Provide finish of two coats for a total minimum thickness not less than 2 mm (1/16 inch).

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