

SECTION

07100

NEOPRENE LATEX MASTIC MEMBRANE

Part 1 GENERAL

1.01 DESCRIPTION OF WORK

A. Work under this section consists of furnishing everything necessary for and incidental to the execution and completion of all Latex Mastic Membrane as indicated on the drawings and specified herein.

- B. Related work:
1. CMU Units
 2. Concrete
 3. Drainage Systems
 - 4.

1.02 QUALITY ASSURANCE

A. All work performed under this specification shall meet the current standard of care for the items as specified and in conjunction with manufacturers' specification.

B. Manufacturer of Latex Mastic Membrane shall be regularly engaged in the manufacture of Latex Mastic Membranes for the past ten years and submit a list of at least five projects of equal complexity and scope. Installations submitted shall have been in place for the past five years with no sign of failure.

C. Acceptable Manufacturer: Materials of Mer-Krete Systems, 501 Van Ness Ave. Torrance California 90501 800/ 851-6303. Fax.310 320-9438

D. Use only materials from a single manufacturer to ensure compatibility or as approved in writing by the membrane manufacturer.

E. Qualification of installers:

1. Use only pre-qualified and approved subcontractors employing skilled and experienced workers.

2. Helpers and apprentices used for such work shall be under full and constant supervision at all times by thoroughly skilled installers.

3. In the acceptance or rejection of installed work, no allowance will be made for the lack of skill on the part of the installer.

F. Instructions: Request the service of a representative of the manufacturer for initial instructions in preparation, mixing and application of the materials. The manufacturer shall supply such service as required. Notify manufacturer in writing 30 days prior to requiring his services.

1.03 SUBMITTALS

Submit catalog data which includes specification and installation details. Installation instructions and recommendation of manufacturer shall be specified for this application.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING:

A. Deliver materials to the project site in manufacturers' unopened, undamaged, original packaging.

B. Store materials on site in enclosures or under protective covering that assure materials are kept clean and dry.

C. Store material off ground.

1.05 JOB CONDITIONS:

A. Environmental Conditions: Work shall be performed within range of temperatures, and in climatic conditions recommended by the manufacturer.

Part 2 PRODUCTS

2.01 MATERIALS:

- A. Latex Mastic Membrane shall be Mer-Krete Hydro-Guard BG Membrane as manufactured by Mer-Krete Systems, Torrance California 800/ 851-6303 ICBO # ER-5487
- B. The composition when properly applied and cured should exhibit the following physical characteristics and properties:
1. The membrane shall elongate a minimum of 500%.
 2. The membrane shall withstand a water head of 115 ft. for a period of sixty minutes without water transmission or rupture of the membrane.
 3. The minimum thickness of the membrane shall be a minimum of 30 mils.
 4. Elongation over crack .22 inches (Split Slab Test).
 5. Adhesion to Concrete. (90 % Peel) 10 pounds per lineal inch of width.
 6. Tensile 240 psi
 7. Freeze Thaw cycle after cure - 250 cycles. No Change (M/K A-223) method.
 8. Temperature Sensitivity: (At Installation) 40 F to 120 F (Cured) -20 F to 200 F
- C. Sealant: Single or two component urethane Mer-Ko Puc 1000 /5000

PART 3 EXECUTION:

3.01 VERIFYING SURFACE CONDITIONS

- A. Inspection
1. Prior to commencement of work, carefully inspect the installed work of other trades and verify that all such work is

complete to the point where this installation may properly commence.

2. Verify that this work may be installed in accordance with all pertinent codes and regulations, the original design, and the referenced standards.

B. Discrepancies:

1. In the event of discrepancy, immediately notify the Architect, General Contractor or his agent.
2. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved.

3.02 INSTALLATION

- A. This membrane shall be installed in strict accordance with the manufacturers' printed specifications, and as outlined below:
1. Over clean Block, concrete or other approved surface install approximately 15 mills Mer-Krete Hydro-Guard BG Mastic. Installation may be accomplished by roller, spraying or brush method. Allow to cure 12 hours. At 70 F.
 2. Install second coat in similar manor and allow to dry 12 hours.
 3. Footings shall be reinforced with 10" synthetic burlap cloth as outlined in manufacturers details.
 4. Install protection board as approved by manufacturer over cured membrane and back-fill.

3.03 INSPECTION

- A. Manufacturers representative shall inspect the cured membrane prior to back-filling. Contractor shall notify manufacturer in writing no less than 5 working days to arrange for site inspection.

3.04 PROTECTION:

- A. After successful completion of the inspection the waterproof membrane covering shall be adequately protected by the prime contractor against damage or misuse by other trades until membrane is covered.

3.05 WARRANTY:

A. Warranty material and workmanship to the owner insuring performance of the waterproof membrane system is per manufacturers' specifications and all work has been performed to meet all applicable industry standards and as per standard of care issues for the industry involved. Warranty shall be -5- years.

END OF SECTION