

SECTION

07120

LATEX MASTIC MEMBRANE

Vertical Applications

Part 1 GENERAL

1.01 DESCRIPTION OF WORK

- A. Work under this section consist of furnishing everything necessary for and incidental to the execution and completion of all Latex Mastic Membrane and protection course work, as indicated on the drawings and specified herein.

- B. Related work:
 - 1. Tile
 - 2. Stone
 - 3. Mortar Bed
 - 4. Thin-Set Mortar
 - 5. Grout
 - 6. Backer Board
 - 7.

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 and current Tile Council of America guidelines.

- B. Manufacturer of Latex Mastic Membrane shall be regularly engaged in the manufacturer 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 USA 90501 800.851.6303. 323.775.2461 Fax.310.320.9438 E-mail info@merkote.com No substitutions.

- 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 manufacturer's 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 materials 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 310 Membrane as manufactured by Mer-Krete Systems, Torrance California USA 800.851.6303 310.320.1880 E-Mail info@merkote.com No know equal.
- B. The composition when properly blended and cured should exhibit the following physical characteristics and properties:
1. Rubber emulsion for this elastomeric membrane shall be comprised of rubber latex and shall have a minimum total solids content of 28% when tested by the dry cup method.
 2. The dehydrating powders shall contain low alkali portland cement type 2 variety only, capable of developing 3,500 psi in twenty four hours (ASTM C-109).
 3. The membrane shall elongate a minimum of .01. ft./ft.
 4. The membrane shall withstand a water head of 115 ft. for a period of sixty minutes without water transmission or rupture of the membrane.
 5. The average thickness of the membrane shall be 1/8”
 6. Adhesion in shear 500 psi
 7. Tensile 450 psi
 8. Tile Adhesion to membrane: using Mer-Krete Latex 200 with 211 Filler (ANSI A118.4) method in excess of 500 psi
 9. Freeze Thaw cycle after cure - 250 cycles. No Change (M/K A-223) method.
- C. Joint Backing: Closed cell polyethylene.
- D. Sealant: Single or two component urethane per TCA requirements.

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. Backer Board:

Install US Gypsum Durock over wood framing and tape all joints in accordance to manufacturer specification. All work shall be verified as within specifications by manufacturers representative.

C. Grout:

Grout color as selected by the architect gauged with Mer-Krete 150 Acrylic / Latex as per manufacturers specifications.

D. 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 the most current requirements of the Tile Council of America guide lines.

1. Apply first coat of flexible waterproof membrane over the backer board as follows:
Trowel or roll apply prime coat blended in a ratio of two parts powder to one part emulsion. All base and edge flashing areas shall be coated to the height as indicated by the manufacturer or as indicated on the drawings. Allow to cure 24 hours.
2. Install second coat over previously installed application in the same manner ensuring to fill all pinholes and voids. Allow to cure 24 hours prior to application of tile/ stone units.
3. For thin-set application, adhesive shall be Mer-Krete 200 Latex with 211 Filler as manufacturer by Mer-Krete to ensure compatibility and meeting ANSI A-118.4 Standards, no substitution. All grout, mortar mixes and fillers shall be approved in

writing by the manufacturer or as outlined in manufacturer specifications. All work shall be in accordance to local building codes and ANSI requirements.

3.03 PROTECTION:

- A. After completion of the installation, all work shall be protected by the prime contractor against damage or misuse and by other trades until final acceptance of the building.

3.04 WARRANTY:

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

END OF SECTION