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RESEARCH REPORT: RR 25641
(CSI #07120)

Expires: January 1, 2021
Issued Date: February 1, 2019
Code: 2017 LABC

GENERAL APPROVAL – Renewal – Monolithic Membrane 6125 for Below-Grade Waterproofing and Methane Barrier

DETAIL

Monolithic Membrane 6125 is hot applied rubberized asphalt specially formulated from refined asphalts, synthetic rubber and inert clay filler. The minimum thickness of the installed products is 180 mils minimum.

This product is approved for below-grade waterproofing and methane barrier subject to the following conditions:

1. Installation of the product shall be in accordance with the manufacturer's instructions and the requirements herein. A copy of this report and the installation instructions shall be provided at each job site by the manufacturer.
2. The product shall be used in well-ventilated area. In areas with limited ventilation, wear a positive pressure air supplied respirator.
3. Adjoining sheet edges shall overlap a minimum of 2".
4. All concrete surfaces shall be primed with Hydrotech's Surface Conditioner at a rate of 300 to 600 square feet per gallon. Other substrates such as wood and metal do not need to be primed.
5. A 6 mil thick sheet of plastic film shall be embedded into the membrane while the material is still warm.

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6. During construction, the membrane shall be covered by a protective barrier approved by American Hydrotech, Inc.
7. Monolithic Membrane 6125 shall not be used in conditions where saturated oil may be present.
8. Complete details for the membrane system are submitted for plan check and a building permit is obtained.
9. The following field tests in accordance with the American Hydrotech Field Installation and Repair Procedure are required: (A copy of the Installation and Repair Procedures is on file with Engineering Research Section.)
 - a. Perform Thickness Sample Test at every 500 square feet.
 - b. For methane barrier application, perform Smoke Test for the entire site at the interval not more than 50,000 square feet each.
10. Protection for the membrane shall be provided in accordance with the written instructions by the engineer of the record.
11. Prior to placing the concrete slab over the membrane, the membrane installer shall certify the membrane to be installed and tested in accordance with the manufacturer's specifications and to be free of leaks.
12. The membrane is not to be placed under the building footings.
13. For gas membrane installation, continuous inspection by a registered deputy inspector certified by American Hydrotech, Inc., and registered in accordance with the requirements specified in Section 91.1704 of the Los Angeles Municipal Code for special inspections is required.

DISCUSSION

The report is in compliance with 2017 Los Angeles Building Code.

Monolithic Membrane 6125 has met the Acceptance Criteria of Methane Barrier except Oil Resistance Test. For Monolithic Membrane 6125 for Waterproofing; refer to LARR 25168.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

American Hydrotech, Inc.

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Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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