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RESEARCH REPORT: 26023
(CSI #07130)

Attn: Roger Smith
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Expires: January 1, 2025
Issued Date: December 1, 2022
Code: 2020 LABC

GENERAL APPROVAL – Renewal - PRECON Membrane for Below-Grade Waterproofing

DETAILS

PRECON is a composite sheet membrane comprised of a non-woven fabric, elastomeric membrane, and W. R. MEADOWS' exclusive, patented plasmatic core (U.S. Patent No. 7,179,761). The plasmatic core is a seven-layer matrix designed for toughness and provides low water vapor transmission.

PRECON is used as a blindside waterproofing membrane in vertical applications where access to the positive side is limited. The membrane can also be used for horizontal applications for underslab waterproofing and vapor proofing.

The above system is approved for waterproofing when required by Section 1805.3 of the 2020 City of Los Angeles Building Code.

The approval is subject to the following conditions:

1. The products shall be delivered to the job site in sealed containers properly identified with the manufacturer's name and trade name of the products.
2. Except as specified herein, application of the system shall be in accordance with the manufacturer's instructions. A copy of the instructions shall be available at each job site.

RR 26023
Page 1 of 3

W.R. Meadows, Inc.

RE: PRECON Membrane Blindside/Underslab Membrane

3. The material shall be packaged in standard commercial containers constructed so as to ensure acceptance by common or other carrier for safe transportation to the point of delivery. Shipping containers shall be marked with the name, type, and quantity of the material contained therein, as defined by the contract or order under which the shipments are made.
4. The date of production shall be marked on each package.
5. Application of the product shall be accomplished by an applicator approved by the manufacturer and in writing by the manufacturer.
6. All surfaces to receive the product shall be free of large voids, sharp projections and/or standing water. Prepare surfaces per manufacturer's instructions.
7. Complete details for membrane system shall be submitted for plan check and a building permit shall be obtained.
8. Protection for the membrane shall be provided per manufacturer's instruction.
9. Prior to placing the concrete slab over the membrane in split-slab applications, the membrane installer shall certify the membrane to be installed according to the manufacturer's specification.
10. The above product is approved for below-grade waterproofing as required by Chapter 18 of the Los Angeles Building Code. The product may be used in conjunction with Los Angeles City approved caulking materials at penetrations of the waterproofing membrane.
11. The membrane materials shall not be used with pneumatically applied concrete (gunite or shotcrete).
12. All surfaces must be smooth, free of depressions, voids, protrusions, clean and free of unapproved curing compounds, form release agents and other surface contaminants.
13. The products shall not be used to seal joints or penetrations of fire-rated assemblies. The MEL-ROL waterproofing membrane is for waterproofing below grade slabs when required by Section 1805.3 of the 2020 Los Angeles Building Code.
14. The maximum allowable hydrostatic pressure for the PRECON Blindside/waterproofing membrane is 287 psi.

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RE: PRECON Membrane Blindside/Underslab Membrane

DISCUSSION

The report is in compliance with the 2020 Los Angeles City Building Code.

The approval is based on tests.

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.

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.

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