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RESEARCH REPORT: 26164  
(CSI #07110)

Expires: January 1, 2024  
Issued Date: March 1, 2022  
Code: 2020 LABC

**GENERAL APPROVAL** – Renewal and Clerical Modification – Epro PreTak HDPE  
Self-Adhesive Waterproofing and Methane Membrane

**DETAILS**

PreTak HDPE membrane is an extruded high-density polyethylene (HDPE) membrane sheet with a pressure sensitive adhesive (PSA) and a protective coating layer.

PreTak HDPE is used as a waterproofing membrane in under-slab and below-grade wall applications. PreTak may also be used as a gas/methane barrier where required.

**The approval is subject to the following conditions:**

1. 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.
2. The application of the material shall be in accordance with the manufacturer's instructions. A copy of the instruction shall be available at each job site.
3. The PreTak HDPE membrane shall be installed by an applicator approved by Epro Services, Inc.

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4. All surfaces to receive membrane shall be free of laitance, sharp projections, oil, dirt or other contaminants. Prepare surfaces in accordance with the manufacturer's instructions.
5. Seams and repairs shall be completed in accordance with the manufacturer recommendations.
6. All membrane joints shall have a minimum 4-inch seam lap, sealed in accordance with the manufacturer's specifications.
7. Testing for leaks at membrane lap seals and other membrane joint seals including penetrations through the slab shall be performed in accordance with the manufacturer's quality assurance manual. A copy of the manual shall be available at the job site.
8. Approved products shall be delivered to the job site in sealed containers properly identified with the trade name.
9. The design and construction of the foundation and drainage system is outside the scope of this report. The foundation drainage system shall be installed in accordance with Section 1805.4 of the 2020 Los Angeles Building Code.
10. Prior to placing the concrete 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.
11. The design and installation shall be in accordance with this report, the manufacturer's published installation instructions and the 2020 Los Angeles Building Code.
12. For gas membrane installation, continuous inspection by a Deputy Inspector registered in accordance with Section 1705.1.8 of the 2020 Los Angeles Building Code for special inspection, is required. A Deputy Report shall be given to the Building Inspector verifying the membrane installation complies with all the requirements contained in this Approval Letter. Continuous inspection is required for the liner of Concrete Fire Water Tank for continually submersed conditions.
13. The PreTak HDPE membrane is permitted to be installed under building footings when allowed by the project Structural Engineer of Record. The effects of a reduced coefficient of friction between the concrete footing and waterproofing membrane shall be addressed.

## **DISCUSSION**

The clerical modification is to revise item no. 11 under the conditions of approval.

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

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The approval is based on tests and Acceptance Criteria for Below-Grade exterior Damp-Proofing and Waterproofing Materials (L201) and Methane Barrier Test Criteria (L137).

The membrane was tested at a maximum hydrostatic pressure of 310 psi

Epro PreTak HDPE Self-Adhesive Membrane is approved for shotcrete applications based on City of Los Angeles Test Criteria AC-L137 and ASTM D5385

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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