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RESEARCH REPORT: RR 24783
(CSI #07100)

Expires: August 1, 2020
Issued Date: June 1, 2018
Code: 2017 LABC

GENERAL APPROVAL – Renewal - Mira Clay and CCW Clay Mat Below-Grade
Waterproofing Membrane for Wall and Slab Waterproofing

DETAILS

CCW MiraCLAY Bentonite Clay Waterproofing Membrane features a layer of sodium bentonite clay sandwiched between a puncture-resistant, nonwoven polypropylene fabric and a high-tensile strength woven polypropylene fabric, then needle-punched together with durable denier yarns. These fibers are then thermally fused to the polypropylene in a proprietary Infrabond™ technique, locking the sodium bentonite into place.

MiraCLAY is designed for waterproofing below-grade structural slabs as well as construction methods incorporating lagging, concrete caisson or shotcrete retention walls. MiraCLAY is also very effective in rehab waterproofing and zero clearance property line construction.

The approval is subject to the following conditions:

1. The above products are approved for below-grade waterproofing as required by Section 1805.3 of the 2017 City of 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 instructions shall be available at each job site.
3. The product shall not be used in the presence of saline soils and along coastal areas.
4. The product shall be in full contact with the wall and soil at all times.

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5. The joints shall be lapped a minimum of 2 inches.
6. Wood lagging shall be treated in accordance with Section 2303.1.9 of the 2017 City of Los Angeles Building Code.

DISCUSSION

This report is in compliance with the 2017 City of Los Angeles Building Code.

The membrane was tested to a maximum head of 35' feet of water.

The product was tested by applying Shotcrete to the front face of the test panels under the direction of Smith-Emery Company. The face sheet was well bonded to the shotcrete, and no damage was observed.

Evidence of satisfactory performance of this product as used on projects within the City of Los Angeles is on file with the Engineering Research Section.

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.

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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