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RESEARCH REPORT: RR 26191
(CSI #07100)

Expires: April 1, 2021
Issued Date: April 1, 2020
Code: 2020 LABC

GENERAL APPROVAL – General Approval - Aussie Clay Below-Grade Waterproofing Membrane for Wall and Slab Waterproofing

DETAILS

AVM Aussie Clay is a Bentonite Composite Sheet Waterproofing Membrane consisting of needle-punched woven and non-woven geotextile fabrics encapsulating a layer of sodium bentonite clay (1.0 lb/sqft) between them. Aussie Clay forms a low permeability membrane once it is exposed to water. Once wetted, the sodium bentonite swells to form a continuous membrane that will self-seal and expands to fill in cracks and voids along the concrete surface. Aussie Clay forms a mechanical bond to the concrete when the geotextile fibers are embedded into the surface of the concrete.

Aussie Clay is designed for waterproofing below-grade walls and slabs as well as construction methods incorporating lagging. Aussie Clay can also be used as waterproofing for 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 2020 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.

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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.
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 2020 City of Los Angeles Building Code.
7. The use of the product with pneumatically applied concrete (shotcrete) is outside the scope of this approval.

DISCUSSION

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

The membrane was tested to a maximum head of 119 feet of water.

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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