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RESEARCH REPORT: RR 26044
(CSI # 071300 and 071100)

Attn: Amir Rudyan
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REEVALUATION DUE
DATE: May 1, 2021
Issued Date: December 1, 2019
Code: 2017 LABC

GENERAL APPROVAL – Clerical Modification – AVM Industries, Aussie Skin Waterproofing Membranes and Methane Barriers for below-grade applications of concrete floors, walls and slabs

DETAILS

Aussie Skin 550G/555G/558G/560G/565G Membranes are made of a high-density polyethylene (HDPE) waterproofing sheet with a pressure sensitive adhesive and integral weather resistant protective layer.

Aussie Skin is used as a primary waterproofing membrane in under-slab and below-grade retaining wall applications. Aussie Skin 558G/560G/565G may also be used as a gas/methane barrier where required.

Note: Aussie Skin Waterproofing Membranes come in a variety of thicknesses approved for the applications specified in the following table:

Product Name/Code	Thickness	Approved for Waterproofing	Approved for Shot-Crete	Approved for Gas/Methane
Aussie Skin 550G	1.2 mm	Yes	Yes	No
Aussie Skin 555G	1.5 mm	Yes	Yes	No
Aussie Skin 558G	1.8 mm	Yes	Yes	Yes
Aussie Skin 560G	2.0 mm	Yes	Yes	Yes
Aussie Skin 565G	2.5 mm	Yes	Yes	Yes

AVM Industries, Inc.

RE: AVM Industries, Aussie Skin Waterproofing Membranes and Methane Barriers for below-grade applications of concrete floors, walls and slabs

Aussie Skin 550G/555G/558G/560G/565G Membranes are approved for waterproofing when required by Section 1805.3 of the 2017 Los Angeles Building Code.

Aussie Skin 550G/555G/558G/560G/565G Membranes are approved for shotcrete applications over plywood, EPS insulation board, AVM Drainboard 6000 and lagging.

The approval is subject to the following conditions:

1. The design and installation must be in accordance with this report, the manufacturer's published installation instructions and the 2017 Los Angeles Building Code.
2. 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. The backfill of the foundation must be clean soil, free of rocks or any other deleterious materials and placed so as not to damage the membrane system.
3. 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 2017 Los Angeles Building Code.
4. Seams and repairs shall be completed in accordance with manufacturer recommendations.
5. The manufacturer shall provide quality assurance of the materials supplied as to their formulation.
6. AVM Aussie Skin 550G/555G/558G/560G/565G are permitted to be installed under building footings when allowed by project Structural Engineer of Record. The effects of a reduced coefficient of friction between concrete footing and waterproofing membrane shall be addressed.
7. For Aussie Skin 558G/560G/565G methane barrier installation, continuous inspection by a registered deputy inspector certified by AVM Industries and registered in accordance with the requirements specified in Section 91.1704 of the Los Angeles Municipal Code for special inspections is required.
8. 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.
9. The Aussie Skin membrane is designed to bond directly with the concrete. No "Sand Layer or Protection Slab" of any kind are to be used with the Aussie Skin membrane.
10. AVM Aussie Skin 550G/555G/558G/560G/565G are not suited to waterproof roofs or other internal wet areas.

AVM Industries, Inc.

RE: AVM Industries, Aussie Skin Waterproofing Membranes and Methane Barriers for below-grade applications of concrete floors, walls and slabs

11. Aussie Skin 550G/555G/558G/560G/565G Membrane systems shall be supplied in clearly marked containers bearing the brand name and product identification and LARR #26044.

DISCUSSION

The clerical modification is to change the product names.

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

The approval is based on tests and analyses in accordance with the LADBS Acceptance Criteria L021- Below Grade Exterior Damp-Proofing and Waterproofing Materials and ASTM D5835 – Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes.

Hydrostatic Resistance of Aussie Skin 550G/555G/558G/560G/565G Below-Grade Waterproofing Membranes is 192 psi.

Aussie Skin 550G/555G/558G/560G/565G are approved for shotcrete applications based on City of Los Angeles approved testing procedure.

Aussie Skin 558G, 560G and 568G are additionally approved for gas/methane applications based on City of Los Angeles Methane Barrier Test Criteria LADBS AC-L137.

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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