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RESEARCH REPORT: RR 26138  
(CSI # 071300 and 071100)

REEVALUATION DUE  
DATE: August 1, 2019  
Issued Date: April 1, 2019  
Code: 2017 LABC

**GENERAL APPROVAL** – Technical Modification - AVM AUSSIE MATE 580-AL  
Waterproofing Membranes and Methane Barriers for below-grade applications of concrete walls  
and slabs.

**DETAILS**

AUSSIE MATE 580-AL is a 60-mil below-grade waterproofing sheet composed of self-adhering  
modified bitumen with an aluminum protection layer. The self-adhering modified bitumen is  
covered with a plastic release film that is removed prior to installation.

AUSSIE MATE 580-AL is an unexposed, reinforced sheet waterproofing membrane used in  
concrete wall and slab applications.

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

1. The design and installation must be in accordance with this report, the manufacturer's  
instructions, the manufacturer's published installation instructions and the 2017 Los  
Angeles Building Code.

AVM Industries, Inc.

RE: AUSSIE MATE 580-AL

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 maximum Hydrostatic pressure the barrier can withstand is 74 pounds per square inch.
6. The manufacturer shall provide quality assurance of the materials supplied as to their formulation.
7. AUSSIE MATE 580-AL is 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.
8. AUSSIE MATE 580-AL methane barrier installation, continuous inspection by a registered deputy inspector certified by AVM Industries and registered in accordance with the requirements specified in LAMC Section 91.1704 for special inspections is required.
9. 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.
10. AUSSIE MATE 580-AL waterproofing membrane system shall be supplied in clearly marked containers bearing the brand name and product identification and LARR #.
11. The membrane materials shall not be used with pneumatically applied concrete (gunite or shotcrete).

## **DISCUSSION**

The technical modification is to add the approval for use of AUSSIE MATE 580-AL as a methane barrier.

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 L137- Methane Barrier Test Criteria.

AVM Industries, Inc.  
RE: AUSSIE MATE 580-AL

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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