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RESEARCH REPORT: 26218
(CSI #071800 and 071813)

Expires: July 1, 2023
Issued Date: February 1, 2023
Code: 2023 LABC

GENERAL APPROVAL – Clerical Modification – AVM AUSSIE GAS-LOCK 420 moisture and methane mitigation system for concrete slabs.

DETAILS

AUSSIE GAS-LOCK 420 is a two-component fluid applied epoxy coating.

AUSSIE GAS-Lock 420 is a two-component epoxy coating used over existing concrete slabs for moisture and methane gas mitigation.

The approval is subject to the following conditions:

1. AUSSIE GAS-LOCK 420 epoxy coating shall be supplied in clearly marked containers bearing the brand name, product identification and LARR No. 26218.
2. Applications of the materials for the systems shall be in accordance with the manufacturer's instructions, a copy of which shall be available, at each jobsite.
3. Repairs shall be completed in accordance with manufacturer recommendations.
4. All surfaces to receive the product shall be free of laitance, sharp projections, oil, dirt or other contaminants. Prepare surfaces per manufacturer's instructions.
5. The epoxy coating shall be a minimum of 12 mils thick for moisture mitigation.
6. The epoxy coating shall be a minimum of 30 mils thick for methane mitigation.
7. Prior to placing any other materials over the epoxy coating such as, but not limited to finish flooring, tile, laminates, etc., the epoxy coating installer shall

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certify, in writing, that the coating is installed in accordance with the manufacturer instructions.

8. The epoxy coating is manufactured under an ISO 9001:2015 certified quality management system.

DISCUSSION

The clerical modification is to capture compliance with the 2023 Los Angeles Building Code for this general approval.

The report is in compliance with the 2023 City of Los Angeles Building Code.

The approval is based on testing as follows.

Moisture Barrier: ASTM F3010-13, Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings

Methane (Gas) Barrier: ASTM D1434-82, Standard Test Method for Determining Gas Permeability of Plastic Film and Sheeting.

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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