

TECHNICAL BULLETIN

Control #1012

TITLE: ANSI/UL 263 Fire-Resistance Rated Exterior Wall Assemblies
EFFECTIVE: April 1, 2020

The purpose of this Technical Bulletin is to provide information regarding the relationship of fire-resistance ratings (ANSI/UL 263) of exterior wall assemblies to Laminators Inc. ACM panel systems, Omega CI rigid insulation panels, and NFPA 285 compliance.

1. The exterior wall assemblies of some projects will:

- Require fire-resistance ratings per IBC Sections 703 and 705 (including corresponding Tables 601 and 602)
- Include an MCM system
- NOT INCLUDE foam plastic insulation

IBC Section 1407.8 states:

1407.8 Fire-resistance rating. Where MCM systems are used on exterior walls required to have a *fire-resistance rating* in accordance with Section 705, evidence shall be submitted to the *building official* that the required *fire-resistance rating* is maintained.

But, IBC Section 1407.8 includes an exception:

Exception: MCM systems not containing foam plastic insulation, which are installed on the outer surface of a fire-resistance-rated *exterior wall* in a manner such that the attachments do not penetrate through the entire *exterior wall* assembly, shall not be required to comply with this section.

When an MCM system does not contain foam plastic insulation AND the MCM system attachments (i.e. fasteners, screws, etc.) do not penetrate through the entire exterior wall assembly, there is no need to provide specific evidence (i.e. testing) to demonstrate that the MCM system does not reduce the UL fire-resistance rating.

Therefore, selection of the UL fire-resistance rating of the exterior wall assembly by the Design Professional of Record (DPR) is unaffected by the inclusion of an MCM system.

2. The exterior wall assemblies of other projects will:

- Require fire-resistance ratings per IBC Sections 703 and 705 (including corresponding Tables 601 and 602)
- Include MCM systems
- INCLUDE foam plastic insulation

Note that selection of the UL fire-resistance rating of the exterior wall assembly shall include both an MCM system AND foam plastic insulation because the IBC Section 1407.8 exception does not apply.

Since the exterior wall assembly does contain foam plastic insulation, IBC Section 1407.13 requires compliance with IBC Section 2603. Specifically, Section 2603.5 addresses Types I, II, III, & IV Construction, which further requires compliance with the Conditions of Acceptance of NFPA 285, and Type V Construction, which does not.

By inclusion of foam plastic insulation, selection of the UL fire-resistance rating of the exterior wall assembly by the Design Professional of Record (DPR) shall incorporate an MCM system with NFPA 285 compliance, if applicable.

Laminators Inc. offers exterior wall assembly CAD Drawings for the field-fabricated 1-Piece, Tight-Fit Molding and Clip & Caulk™ ACM (MCM) systems, both of which include back-drained and ventilated sub-framing. CAD Drawings are also available for the shop-fabricated Dry Seal and Rout & Return ACM systems. All four ACM systems are supported with integrated Omega CI rigid insulation panels (foam plastic insulation) and meet the Conditions of Acceptance for NFPA 285 in Types I, II, III, & IV Construction. **All four ACM systems are backed by ANSI/UL 263 Design Number V454, which applies to 1-hr bearing and non-bearing walls.**

Additional ANSI/UL 263 Design Numbers are available for Laminators Inc. fire-resistance rated exterior wall assemblies:

- Design Number **W417** applies to 1-hr non-bearing walls and is supported with a third-party Engineering Evaluation (EEV) report.
- Design Numbers **U326, U330, U354, U355, and U364** apply to 1-hr wood stud walls and are not required to meet the Conditions of Acceptance for NFPA 285 in Type V Construction.

To consult directly with one of our Professional Engineers regarding our MCM Systems with OCI, contact Laminators Technical Support between the hours of 8:00am – 5:00pm EST:

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Notes:

1. UL 263 location: <https://iq.ulprospector.com/en>
2. File Number: R39010
3. UL Category Control Number (CCN): BXUV
4. Keyword: Omega CI