



# NATIONAL CERTIFIED TESTING LABORATORIES

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October 30, 2020

Dan Vezo  
JELD-WEN, Inc.  
3737 Lakeport Blvd  
Klamath Falls, Oregon 97601

RE: Equivalence of ASTM E84-05, ASTM E84-13a and ASTM E84-16

Dear Dan:

At your request, I have reviewed ASTM test method standards to evaluate their equivalence to the test method standard currently referenced by the Florida Building Code. Specifically, I am comparing:

*ASTM E84-05 Standard Test Method for Surface Burning Characteristics of Building Materials.*

*ASTM E84-13a Standard Test Method for Surface Burning Characteristics of Building Materials.*

*ASTM E84-16 Standard Test Method for Surface Burning Characteristics of Building Materials.* (Reference Standard of 2020 FBC)

I have reviewed and compared the above-referenced test method standards. Specific changes noted between the standards include:

- Updated requirements for the photometer measurement system.
- Added requirements for polymeric vinyl, facings and wood veneers.
- Added specimen preparation and mounting requirements for flexible fibrous glass insulation used in metal buildings.

The noted changes would not cause different test results or different interpretation of the test, and it is my professional opinion that the test method standards are equivalent.

Thus, the testing conducted to *ASTM E84-05 Standard Test Method for Surface Burning Characteristics of Building Materials* or *ASTM E84-13a Standard Test Method for Surface Burning Characteristics of Building Materials* is equivalent to *ASTM E84-16 Standard Test Method for Surface Burning Characteristics of Building Materials* and, there for, in compliance with the Florida Building Code, Building, 7<sup>th</sup> Edition (2020).

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Joseph A. Reed, P.E.  
FL PE 58920  
FL REG 33474

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cc: 23549-1