

September 30, 2023

Mr. Mark Weaver
PALRAM Americas, Inc.
9735 Commerce Circle
Arcadia West Industrial Park
Kutztown, PA 19530

RE: Letter of Equivalence
ASTM D635-98 to new ASTM D635-14
ASTM D1929-96 to new ASTM D1929-16
ASTM E84-01 & ASTM E84-05 to new ASTM E84-18b

Dear Mr. Weaver:

Intertek reviewed several ASTM test method standards to evaluate their equivalence to the current test method standard with a different publication date as referenced by the 2023 Florida Building Code, 8th Edition:

ASTM D635-98, *Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position*, to ASTM D635-14, 2023 Florida Building Code adopted version.

1. Same version as in 2020 Florida Building Code
2. Previous equivalency statement applies

ASTM D1929-96, *Standard Test Method for Determining Ignition Temperature of Plastics*, to ASTM D1929-16, 2023 Florida Building Code adopted version.

1. Same version as in 2020 Florida Building Code
2. Previous equivalency statement applies

ASTM E84-01 & ASTM E84-05, *Test Methods for Surface Burning Characteristics of Building Materials*, to ASTM E84-18b, Florida Building Code 2023 adopted version. Changes are listed below:

1. Section 2 – Updated referenced documents
2. Section 5 – Updated Bulk Density and Thermal Conductivity at Mean Temperature values in 5.1.2. Simplified description of output of photoelectric cell in 5.1.9.1
3. Section 6 – Added standard practices and methods for preparation and test of specific materials in 6.3 to 6.8.
4. Section 7 – Revised temperature and relative humidity from a value and +/- deviation to range values in 7.4. Divided 7.6 into two sections. Added Time-Temperature curves. Added fiber-cement board samples to 7.8. Added specific measurement to the thermocouple in 7.8.1.
5. Section 8 – Revised recording of photoelectric cell output from every 15 s to every 2 s during the test in 8.4.
6. A2.1.2 - Added Moisture Meter Method
7. Several sections moved from Appendixes to Annex
8. Editorial revisions





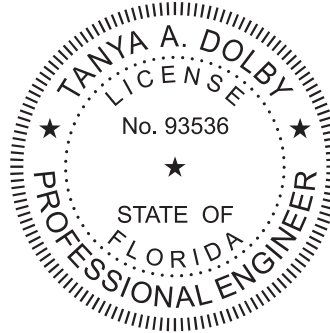
The Intertek laboratory located in York, Pennsylvania is accredited to perform the above reference test standards. In my professional opinion, the test methods and standards described above are equivalent for the evaluation of polycarbonate panels.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tanya A. Dolby'.

Digitally Signed by: Tanya Dolby

Tanya Dolby, P.E.
Manager – Engineering Services
Building & Construction



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