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September 21, 2020

Aaron Smith
Karins Engineering
290 Ninth Street North
St. Petersburg, Florida 33705

RE: Letter of Equivalence
ASTM D635-98 to -14
ASTM D1929-01 to -16

Dear Mr. Smith:

Intertek-ATI has reviewed two ASTM test method standards to evaluate their equivalence to the same test method standard but with a different publication date as referenced by the 2020 Florida Building Code. Specifically:

ASTM D635-98, *Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position,* to ASTM D635-14 (2020 FBC Reference Standard). The changes from the 1998 version to the 2016 version of the test method are as follows:

1. Disclaimers regarding method purpose were deleted from Section 1,
2. Lower Humidity Limit removed from Section 6.1 and Section 8.2,
3. Variability of relative humidity increased from +/- 5% to +/- 10% in Section 6.9,
4. Test specimen selection criteria were added in Section 7.3,
5. The pre-test conditioning period was lengthened from 40 hrs. to 48 hrs. in Section 8.1,
6. Notes were promoted to full text,
7. Added labels and removed non-critical dimensions from Figure 1,
8. Changed optional category designations (e.g. 'HB') in Appendix X1,
9. Added Appendix X2. Appendix X2 is a direct reference of IBC 2003 Section 2606.4 for classification of materials based on the extent of burning,
10. Other minor editorial changes.

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ASTM D1929-96(2000)e01*Standard Test Method for Determining Ignition Temperature of Plastics* to ASTM D1929-16 (2020 FBC Reference Standard). The changes from the 1996 version to the 2016 version of the test method are as follows:

1. The standard was revised to include only SI units,
2. Section 1 was changed editorially to reflect the current fire-related caveats,
3. Specific reference to a furnace manufacturer was removed, as the manufacturer no longer produces the apparatus,
4. Spontaneous ignition procedure revised in Section 8,
5. Section 10 "Precision and Bias" was updated for a 2012 study,
6. Revised Notes,
7. Other minor editorial changes.

Our laboratory in York, Pennsylvania is accredited to perform the above referenced test methods. It is my professional opinion that the test method standards described above are equivalent for the evaluation of translucent fiberglass panels.

For Intertek-ATI:

Digitally Signed by: Michael Thorley

Michael J. Thorley, P.E.
Engineer Team Leader
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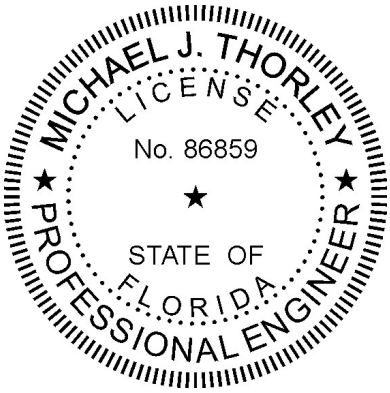

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