

November 5, 2015

Technical Update – TruGrain Material

Westech has officially received our ASTM E 84 passing test report for TruGrain® made with Resysta® profiles. To view the report in its entirety, please click [here](#).

Important information regarding ASTM E84 ‘Class A’ Rating:

- TruGrain finished material tested for ASTM E 84 received a ‘Class A’ rating with raw numbers of FSI = 10 and SDI = 450.
- ASTM E 84 is a fire-test-response standard for the comparative surface burning behavior of building materials in wall and ceiling applications. The purpose of this test is to determine the relative burning behavior of the material by observing the flame spread along the specimen and smoke development. These are individually reported as Flame Spread Index (FSI) and Smoke Developed Index (SDI).
- Class rating system is not defined in ASTM E 84, its defined in Chapter 8 of the International Building Code (IBC) 2012 as follows:
 - Class A = FSI 0-25; SDI 0-450
 - Class B = FSI 26-75; SDI 0-450
 - Class C = FSI 76-200; SDI 0-450
- Chapter 8 of the IBC 2012 relates to the requirements of Interior Finishes. By meeting the ‘Class A’ rating TruGrain® made by Resysta® can now be used in all interior applications.
- Other sections of the IBC 2012 that relate to ASTM E 84 call out requirements of either FSI to be less than 25 and/or SDI to be less than 450. TruGrain material now meets these requirements.



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