



November 21, 2012

Cellulose Material Solutions LLC
Mr. Robert De Vries
2472 Port Sheldon Rd.
Jenison, MI 49428

SUBJECT: ASTM E970 Tests on SEAL-BLOCK Batt Insulation

Our Reference: File R26300, Project 12CA60754

Dear Mr. De Vries,

This is in regard to the above noted assignment which was initiated for the purpose of conducting tests in accordance with ASTM E970 on samples of your SEAL-BLOCK batt insulation. This is a report summarizing the results of the testing.

GENERAL:

The results relate only to the items tested.

METHOD:

The tests were conducted in accordance with ASTM E970-10, Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source. The batt specimens were cut to size to fit into the specimen tray. The test was conducted in triplicate.

SAMPLES:

The test samples utilized in this investigation are Classified by Underwriters Laboratories in accordance with UL723 under File R26300, Volume 1, Section 2. The samples consisted of nominal 3.5 pcf density batts with a foil-scrim-kraft facing adhered to one surface with the foil exposed. The faced side was exposed to the radiant heat source and ignition burner during the test.

RESULTS:

The test results obtained are summarized below:

Specimen	Critical Radiant Flux, w/cm ² *	Average Critical Radiant Flux, w/cm ² *	Standard Deviation *	Coefficient of Variation *
1	>1.0	>1.0	Not Applicable	Not Applicable
2	>1.0	>1.0	Not Applicable	Not Applicable
3	>1.0	>1.0	Not Applicable	Not Applicable

* None of the samples ignited during the preheat exposure or ignition burner application. Accordingly, it is only possible to report the Critical Radiant Flux as greater than 1.0 using this test method. Also, Standard Deviation and Coefficient of Variation is not determinable.

The Classification Marking of UL on the product is the only method provided by UL to identify products which have been produced under its Classification and Follow-Up Service. Although this product is Classified by UL for UL723, the E970 tests described in this report are for information only.

Since the anticipated work has been completed, we have instructed our Accounting Department to terminate the investigation and invoice you for the charges incurred to date.

Should you have any questions, please contact the undersigned.



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