



FIRE Retardants Inc.

The Decision You Make May Save A Life!

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PITTSBURGH TESTING LABORATORY

ESTABLISHED IN 1881

850 POPLAR STREET, PITTSBURGH, PA. 15220

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REPORT

April 13, 1983

REPORT TO:

Mr. Chad Anderson
Fire Retardants Inc.
123 Columbia Court North
Chaska, MN 55318

REPORT ON:

Fire Tests to Establish Flame Spread
and Smoke Rating of #70 and #77 Cable Mastic

PURPOSE:

Pittsburgh Testing Laboratory was to witness a, laboratory test for the purpose of establishing the flame spread rating and smoke rating of two materials manufactured by Fire Retardants Inc., those being No. 70 and No. 77 Fire Retardant Cable Mastic.

CONCLUSION:

Fire The NFPA flame spread and smoke ratings established for these materials are as follows:

	<u>Flame Spread</u>	<u>Smoke Developed</u>
No. 70	8.3	14.3
No. 77	9.6	21.4

SAMPLES:

Samples were prepared by Fire Retardants, Inc., for each of the two materials in this manner: Three (3) 8' X 20" X 1/4" asbestos cement boards were coated with one coat of BURN BARRIER™ No. 70 (or No. 77) Cable Mastic at an average wet film thickness of 1/16" (at coverage rate of 25.66 sq. ft./gal.).

April 13, 1983

The coating was intentionally applied unevenly to simulate actual field application conditions. The actual wet film thickness varied between 1/32" and 1/8". Samples were prepared on March 17, 1983.

Samples were dried in a controlled atmosphere of 73.40F + 5.0 F (23 + 2.8°C) and at a relative humidity of 50% + 5%, as specified in the standard test method for surface burning characteristics of building materials ASTM E-84, until the fire test on April 5, 1983.

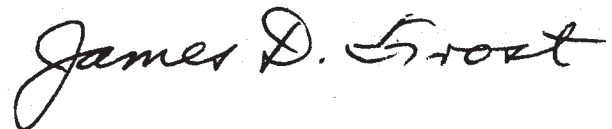
FIRE TEST:

A full-scale ASTM E-84 fire test was performed on the samples on April 5, 1983, at the National Gypsum Research Laboratory in Tonawanda, New York. The equipment was operated by National Gypsum personnel. The calculation of flame spread rating and smoke rating were performed on their computer.

Mr. Joseph Gentile, Manager of Pittsburgh Testing Laboratory's Buffalo office, was present to witness the tests and attest to the results.

The data sheets and charts from these tests, are attached.

PITTSBURGH TESTING LABORATORY

A handwritten signature in black ink that reads "James D. Frost". The signature is written in a cursive style with a large, looped 'J' and 'F'.

D. Frost, P.E. Staff Engineer