

The test report attached verifies the fire performance for Armstrong Sheet Flooring. The product tested is representative of, but may not be identical to the product you are purchasing. Changes in product formulation that occur for a variety of reasons may cause fluctuations in results. The above referenced data is representative of the current formulation of these products. Specifications and interpretation of fire test methods are subject to ongoing development. To assure that the information continues to be current, it is suggested that you request product certification for a specific project. The certification will reference the current applicable independent laboratory test reports.

Wednesday, January 19, 2005 11:29 AM

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PROFESSIONAL TESTING

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**Professional  
Testing  
Laboratory  
Inc.**

**TEST REPORT**

TEST NUMBER: 093359

DATE: 01/18/2005

Burke Industries/Mercer Products

ASTM E648-03 Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using A Radiant Heat Energy Source, also referenced as NFPA 253 and FTM Standard 372

2774-84R Burke Mercer Rubber Wall Base

Rubber

**GENERAL PRINCIPLE**

This procedure is designed to measure the critical radiant flux at flame out of horizontally mounted floor covering systems exposed to a flaming ignition in a test chamber which provides a graded radiant heat energy environment. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames from a fully developed fire in an adjacent room or compartment. The test result is an average critical radiant flux (watts/square cm) which indicates the level of radiant heat energy required to sustain flame propagation in the flooring system once it has been ignited. A minimum of three test specimens are tested and the results are averaged. Theoretically, if a room fire does not impose a radiant flux that exceeds this critical level on a corridor floor covering system, flame spread will not occur.

The NFPA Life Safety Code 101 specifies as Class 1 Critical Radiant Flux of .45 watts/sq cm or higher and Class 2 Critical Radiant Flux as .22 - .44 watts/sq cm.

Mineral-Fiber/Cement Board  
Advanced Adhesive - 675

Direct Glue Down

Minimum of 96 hours at 70 ± 5° F and 50 ± 5% relative humidity

Specimen 1	6 cm	5 minutes	1.16 watts/square cm
Specimen 2	6 cm	5 minutes	1.00 watts/square cm
Specimen 3	8 cm	8 minutes	1.13 watts/square cm

1.10 Watts/Square Cm

0.09 Watts/Square Cm

8 %

APPROVED BY:

*Larry C. Berry*

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Professional Testing Laboratory Inc.

TEST REPORT

TEST NUMBER: 093359

DATE: 01/18/2005

Burke Industries/Mercer Products

ASTM E662-03 Smoke Density (Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also referenced as NFPA 259

2774-B4R Burke Mercer Rubber Wall Base
Rubber

GENERAL PRINCIPLES

This procedure is designed to measure the specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface.

24 Hours at 140° F
24 Hours at 70° F and 50% Relative Humidity
120 V
95° F
Flaming
2.5 watts/sq cm
3" H2O

Table with 4 columns and 10 rows containing smoke density and time measurements.

APPROVED BY:

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