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Independent Textile Testing Service, Inc.

Test Number: 123649

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Report

Customer: Mannington Commercial

August 28, 2012

Subject: Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-06 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description


Style: Social
Back: Infinity Modular

Test Assembly

Mounted on 6mm FRC Board
(Using Premium Multi Purpose Adhesive)

| <u>Test Results</u> | <u>Specimen No. 1</u> | <u>Specimen No. 2</u> | <u>Specimen No. 3</u> |
|------------------------------|----------------------------|----------------------------|----------------------------|
| Critical Radiant Flux | 0.64 watts/cm ² | 0.66 watts/cm ² | 0.62 watts/cm ² |
| Total Burn Length | 33.0 cm | 32.0 cm | 34.0 cm |
| Flame Front Out | 18.0 minutes | 15.0 minutes | 15.0 minutes |

| | |
|---|--------------------------------------|
| <u>Average Critical Radiant Flux</u> | 0.64 watts/cm² |
| Estimated Standard Deviation | 0.02 watts/cm² |
| | 3.1% coefficient of variation |



President L. Kent Suddeth

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive out prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.

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Test Report

Customer: Mannington Commercial

August 28, 2012

Subject: Specimens of the submitted sample were prepared and tested in accordance with the procedures proposed by the National Institute of Standards and Technology (formerly National Bureau of Standards), Technical Note 708 and NFPA 258, ASTM E 662-06.

SMOKE DENSITY TEST (NIST)

Operating Conditions

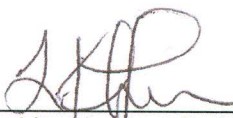
Irradiance: 2.5 watts/cm² G Factor 132
 Thermal Exposure: Flaming
 Furnace Voltage: 100
 Burner Fuel: Propane

Sample Description

Style: Social
 Back: Infinity Modular

Test Results

| | #1 | #2 | #3 | Average |
|---|--|------|------|---------|
| Chamber Temperature, °F (start) | 95 | 95 | 95 | |
| Chamber Pressure | Maintained positive, under 3" H ₂ O | | | |
| Minimum Transmittance (TM), % | 49% | 11% | 24% | |
| at, minutes | 5.40 | 5.22 | 5.10 | 5.24 |
| Maximum Specific Optical Density (DM) | 437 | 523 | 478 | 479 |
| Clear Beam, (DC) | 71 | 67 | 69 | 69 |
| DM, CORRECTED (DMC) | 366 | 456 | 409 | 410 |
| Specific Optical Density at 1.5 minutes | 89 | 79 | 79 | 82 |
| Specific Optical Density at 4.0 minutes | 396 | 451 | 391 | 413 |
| Time to 90% DM, minutes | 3.93 | 4.15 | 4.38 | 4.15 |
| Time to DS = 16, minutes | 1.07 | 1.07 | 1.02 | 1.05 |



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