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Test Report

Customer: Shaw Hospitality

June 30, 2016

Subject: Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-15e1 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Style/Inventory #: 5B110 Pleat
 MO #: M2457
 Roll #: RP030PX
 Backing Type: ClassicBac
 Test #: R-160620-29538-00036

Test Assembly

Mounted on 6mm FRC Board
 (Using Shaw 1000 Adhesive)

<u>Test Results</u>	<u>Specimen No. 1</u>	<u>Specimen No. 2</u>	<u>Specimen No. 3</u>
Critical Radiant Flux	0.58 watts/cm ²	0.54 watts/cm ²	0.58 watts/cm ²
Total Burn Length	36.0 cm	38.0 cm	36.0 cm
Flame Front Out	36.0 minutes	38.0 minutes	40.0 minutes

Average Critical Radiant Flux **0.57 watts/cm²**

Estimated Standard Deviation **0.02 watts/cm²**

4.1% coefficient of variation



 President L. Kent Suddeth

Report Date	May 11, 2022	Reference Test Report	R-220413-88193
Style Number	BS507 B5036	Test Method	Radiant Panel - NSP
Style Name	HWSB5036CB12	Selling Division	Shaw Hospitality
Backing Type	ClassicBac	Adhesive	1000

Test Overview

Three test specimens are cut from the sample material and installed per their intended end use (concrete or OSB boards). If an adhesive is required for installation the specimen, it will be adhered to the mounting board and conditioned for a minimum of 96 hours. A specimen is placed horizontally under a radiant energy source of the chamber. An igniting flame is impinged on the specimen and after 5 minutes removed. Testing continues until combustion is complete. The burn distance is measured and the Critical Radiant Flux (CFR watts /cm2) calculated. Specimen results are averaged to produce the samples average CRF.

Test Results

SampleID: S-220413-00131

Radiant Panel - NSP

ASTM Flooring Radiant Panel Test

Classification	Class 1 (≥ 0.45)	
Crtcl Radiant Flux	1.01	W/Sq. cm
Crtcl Radiant Flux	1.04	W/Sq. cm
Crtcl Radiant Flux	1.09	W/Sq. cm
Radiant Flux Average	1.05	W/Sq. cm

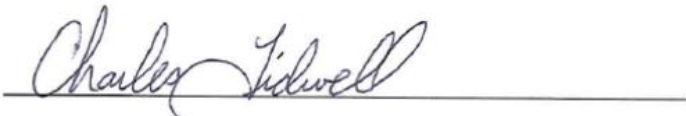
Result Interpretation

National Fire Protection Association (NFPA) & International Building Code (IBC) classify floor coverings as: Class 1 (0.45 to >1.10 watts / cm2), Class 2 (0.22 to 0.44 watts / cm2) or Unclassifiable (< 0.22 watts / cm2) based on CRF average test results.

Deviation from Standard Test Method

N/A

Approval:



Physical Lab Manager/ Technical Services Division



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Report Date	May 11, 2022	Reference Test Report	R-210503-79569
Style Number	BS509 B4891	Test Method	Radiant Panel - NSP
Style Name	HWSB4891ULT12	Selling Division	Shaw Hospitality
Backing Type	UltraLoc	Adhesive	1000

Test Overview

Three test specimens are cut from the sample material and installed per their intended end use (concrete or OSB boards). If an adhesive is required for installation the specimen, it will be adhered to the mounting board and conditioned for a minimum of 96 hours. A specimen is placed horizontally under a radiant energy source of the chamber. An igniting flame is impinged on the specimen and after 5 minutes removed. Testing continues until combustion is complete. The burn distance is measured and the Critical Radiant Flux (CFR watts /cm2) calculated. Specimen results are averaged to produce the samples average CRF.

Test Results

SampleID: S-210503-00019

Radiant Panel - NSP

ASTM Flooring Radiant Panel Test

Classification	Class 1 (≥ 0.45)	
Crtcl Radiant Flux	1.00	W/Sq. cm
Crtcl Radiant Flux	0.80	W/Sq. cm
Crtcl Radiant Flux	0.98	W/Sq. cm
Radiant Flux Average	0.93	W/Sq. cm

Result Interpretation

National Fire Protection Association (NFPA) & International Building Code (IBC) classify floor coverings as: Class 1 (0.45 to >1.10 watts / cm2), Class 2 (0.22 to 0.44 watts / cm2) or Unclassifiable (< 0.22 watts / cm2) based on CRF average test results.

Deviation from Standard Test Method

N/A

Approval:



Physical Lab Manager/ Technical Services Division



Report Date	May 11, 2022	Reference Test Report	R-210503-79569
Style Number	BS510 B4946	Test Method	Radiant Panel - NSP
Style Name	HWSB4946ULT12	Selling Division	Shaw Hospitality
Backing Type	UltraLoc	Adhesive	1000

Test Overview

Three test specimens are cut from the sample material and installed per their intended end use (concrete or OSB boards). If an adhesive is required for installation the specimen, it will be adhered to the mounting board and conditioned for a minimum of 96 hours. A specimen is placed horizontally under a radiant energy source of the chamber. An igniting flame is impinged on the specimen and after 5 minutes removed. Testing continues until combustion is complete. The burn distance is measured and the Critical Radiant Flux (CFR watts /cm2) calculated. Specimen results are averaged to produce the samples average CRF.

Test Results

SampleID: S-210503-00019

Radiant Panel - NSP

ASTM Flooring Radiant Panel Test

Radiant Flux Average	0.93	W/Sq. cm
Crtcl Radiant Flux	0.98	W/Sq. cm
Crtcl Radiant Flux	0.80	W/Sq. cm
Crtcl Radiant Flux	1.00	W/Sq. cm
Classification	Class 1 (>=0.45)	

Result Interpretation

National Fire Protection Association (NFPA) & International Building Code (IBC) classify floor coverings as: Class 1 (0.45 to >1.10 watts / cm2), Class 2 (0.22 to 0.44 watts / cm2) or Unclassifiable (< 0.22 watts / cm2) based on CRF average test results.

Deviation from Standard Test Method

N/A

Approval:



Physical Lab Manager/ Technical Services Division

