



# TEST REPORT

DATE: 06-16-2014

TEST NUMBER: 0209182

<b>CLIENT</b>	Rhone
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<b>TEST METHOD CONDUCTED</b>	ASTM E648 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
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DESCRIPTION OF TEST SAMPLE	
<b>IDENTIFICATION</b>	Alsace Collection
<b>CONSTRUCTION</b>	9/16" Multi-Ply Oak Flooring
<b>REFERENCE</b>	Rhone

### 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.

FLOORING SYSTEM ASSEMBLY			
<b>SUBSTRATE</b>	Mineral-Fiber/Cement Board	<b>UNDERLAYMENT</b>	Loose Laid
<b>ADHESIVE</b>	N/A	<b>CONDITIONING</b>	Minimum of 96 hours at 70 ± 5° F and 50 ± 5% relative humidity

	Distance Burned	Time To Flame Out	Critical Radiant Flux
<b>Specimen 1</b>	35 cm	20 minutes	0.60 watts/square cm
<b>Specimen 2</b>	37 cm	28 minutes	0.56 watts/square cm
<b>Specimen 3</b>	32 cm	24 minutes	0.66 watts/square cm

<b>Average Critical Radiant Flux</b>	0.61 Watts/Square Cm
<b>Standard Deviation</b>	0.04 Watts/Square Cm
<b>Coefficient of Variation</b>	6.77 %

**\* NOTE: Meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101 and IBC 804.2 Classification.**

APPROVED BY: *Gary Asbury*



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**SCS Global Services** does hereby certify that an independent assessment has been conducted on behalf of:

# Rhone

14418 Best Ave., Santa Fe Springs, CA, United States

For the following product(s):

## Engineered Hardwood:

1/2"-3/4": Bordeaux Collection, Pomerol Collection, Burgundy Collection, Provence Collection, Alsace Collection, Medoc Collection, Visan Collection, Laudun Collection, St. Peray Collection, Sablet Collection

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

## FloorScore®

Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0

Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m<sup>3</sup> (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Registration # SCS-FS-05640

Valid from: August 1, 2019 to April 30, 2020

SCS Global Services is currently the only certification body approved by the Resilient Floor Covering Institute (RFCI) to provide FloorScore® product certification; certified products are only listed on the SCS Green Products Guide, <http://www.scsglobalservices.com/certified-green-products-guide>.



ISO/IEC 17065  
Product Certification Body  
#0821



A handwritten signature in black ink that reads "Stanley Mathuram".

Stanley Mathuram, PE, Vice President

SCS Global Services

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