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## CENTRAL LABORATORY REPORT

<b>Report Date</b>	7/5/2022	<b>Reference Test Report</b>	R-220428-88577
<b>Selling Division</b>	Shaw Contract	<b>Style Number</b>	5T493
		<b>Name</b>	Calm StrataWorx

### Test Method

**ISO 9239-1 - Reaction to fire tests for floorings - Determination of the burning behavior using a radiant heat source**

### Test Overview

ISO 9239-2010.1 & AS ISO 9239.1- Three specimens sampled from the most critical manufacturing direction. They are installed on their intended end use (concrete or OSB boards). If an adhesive is required for installation, it will be conditioned for at least 96 hours. Three test specimens are evaluated. Testing is monitored for 30 minutes, burn distance is measured, and the Critical Heat Flux (CHF- kW/ m<sup>2</sup>) calculated. Results of the 3 similar directional tests produce the average CHF. Average % Obscuration \* min (aka. Peak light Attenuation % \* min) is also provided.

The floor covering was tested as a glue down application over a simulated concrete (reinforced cement board) subfloor using Shaw Adhesive: Shaw 5000

### Test Results

Critical radiant heat flux average ( kWatts/ m <sup>2</sup> )	9.3
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### Result Interpretation

BS EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests classifies floor coverings based on Critical radiant heat flux and smoke density (See classifications below.)

Heat Flux Level	Class	Smoke	Class
>= 8.0 kWatts/ m <sup>2</sup>	B-FL	<= 750% x min	s1
>= 4.5 kWatts/ m <sup>2</sup>	C-FL	> 750% x min	s2
>= 3.0 kWatts/ m <sup>2</sup>	D-FL		

Heat Flux Classification for Test Material	B-FL: >= 8,0 kWatts/ m <sup>2</sup>
Smoke Classification for Test Material	s1: smoke <= 750% x min

### Deviations from Standard Test Method

None

Approval:

Physical Lab Manager/ Technical Services Division



NVLAP Lab Code: 000193-0

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