

CUSTOMER REFERENCE
CRUSADER UV

Sample description as provided by customer

Mass/unit area 1000 g/m²
 Construction Details Tufted Secondary Backing Resin Backing
 Style Loop Pile

Order No. PO107204

Pile Fibre Content 100% POLYPROPYLENE

Colour Blue Shades

Pile Height / mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date Apr 2016

Test Date 05 May 2016

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS 95** adhesive.

Substrate: Non-Combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 5.4 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 5.0 kW/m²
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	(none) #3	Mean
Critical Radiant Flux (kW/m ²)	5.0	5.6	5.1	5.2
Smoke Development Rate (%.min)	183	119	156	153

The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

MEAN CRITICAL RADIANT FLUX 5.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 153 percent-minutes

OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt a relatively short distance.



M. B. Webb
 Technical Manager

DATE: 05 May 2016

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Clause 9 of AS/ISO 9239 Part 1


The values on Page 2 have no relevance to the Code.

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TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	210	211	465	519	584	733	925	1143	/									
2	179	180	435	508	585	1520	1630	2021	/									
3	186	187	397	486	594	1083	1467	1842										

TESTS	BURNING CHARACTERISTICS		SMOKE PRODUCTION		
	Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: Length		381	1,653	62	169
Specimen Tests: Width					
1		400	1,246	57	183
2		370	2,241	48	119
3		397	2,095	55	156
Mean		389	1,861	53	153



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**TECHNICAL
COMPETENCE**



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The laboratory does not allow the use of this page of the report without the use of page 1.

This page alone has no validity under Clause 9 of AS/ISO 9239 Part 1

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