

CUSTOMER REFERENCE
COUNTRY CHATEAU

Sample description as provided by customer

Mass/unit area **50 oz/yd²**

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **Cut Pile**

Pile Fibre Content **100% PERMASOFT SOLUTION DYED NYLON**

Colour **Cobblestone**

Pile Height mm

Order No. **PO 25766**

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 **Feb 2016**

Test Date **06 Mar 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART.

The UNDERLAY used was AIRSTEP STEPSMART.

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 **2.0 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.7 kW/m²**
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	(none) #3	Mean
Critical Radiant Flux (kW/m ²)	1.7	1.8	2.0	1.8
Smoke Development Rate (%.min)	291	242	283	272

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 1.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 272 percent-minutes

OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt.

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	DATE: 06 Mar 2016	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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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	278	280	333	391	438	519	554	583	905	1463	1750	2190	2772	3523	4208	/		
2	298	300	369	405	412	481	573	589	810	1185	1526	2203	2868	3454	/			
3	288	289	351	401	442	506	582	641	865	1356	1825	2308	2793	3,453				

TESTS

Specimen	BURNING CHARACTERISTICS				SMOKE PRODUCTION			
	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)				
Initial Test: Length	690	4,002	51	279				
Specimen Tests: Width								
1	710	4,238	53	291				
2	680	3,922	57	242				
3	690	3,847	59	283				
Mean	693	4,002	56	272				



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Technical Manager

DATE: 06 Mar 2016

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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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