

CUSTOMER REFERENCE
DERWENT VALLEY

Sample description as provided by customer
Pile weight mass/unit area **30 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **KG**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Brown**
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 **July 2016**

Test Date **05 Aug 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPEZY

The UNDERLAY used was **AIRSTEP STEPEZY**.

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 **2.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.2 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.2	2.0	2.3	2.2
Smoke Development Rate (%.min)	120	227	196	181

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 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 181 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 05 Aug 2016

Performance & Approvals
Testing No. 15393
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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	202	204	285	319	383	416	477	585	751	1088	1491	2004	2593	/				
2	199	201	269	310	332	420	451	499	648	796	1113	1702	2202	/				
3	189	190	283	334	391	462	583	649	748	1094	1348	2004	2695					

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: Width		620	2.903	54	151
Specimen Tests: Length					
1		620	2,719	53	120
2		650	3,014	49	227
3		610	2,821	55	196
Mean		627	2,851	52	181



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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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