

CUSTOMER REFERENCE
TUFTWEAVE

Sample description as provided by customer

Mass/unit area **1200 g/m²**
 Construction Details **Tufted** Secondary Backing **Synthetic**
 Style **Patterned Cut Pile**

Order No. **PS**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Orange/Grey**
 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 **Mar 2014**

Test Date **22 Mar 2014**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) DUNLOP DB5.

The underlay used was **DUNLOP DB5** it was adhered to the substrate using **DUNLOP PRIME & PEEL** adhesive. The floor covering was adhered to the underlay using **DUNLOP ULTRA BOND** 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 **3.1 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **3.0 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	3.0	2.9	2.8	2.9
Smoke Development Rate (%.min)	563	563	595	574

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 2.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 574 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 22 Mar 2014



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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	219	220	248	293	364	407	453	473	505	611	1396	/						
2	250	251	283	327	363	401	448	560	681	783	957	0	/					
3	217	219	239	287	359	413	485	537	567	749	832	/						

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	515	1,398	81	548
Specimen Tests: Width				
1	525	1,505	84	563
2	540	1,419	86	563
3	550	1,232	89	595
Mean	538	1,385	86	574



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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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