

Attn: MS Sue Schultz
 m/s Beaulieu of Australia
 64 Lahrs Rd, Ormeau Q/Ld 4208

LABORATORY TEST REPORT
P1793018

CRITICS CHOICE

Sample description as provided by customer

Pile weight mass/unit area **26 oz/yd²**
 Construction Details **Tufted Secondary Backing Synthetic**
 Style **Cut Pile**

Order No. **Sue**

Pile Fibre Content **100% INVISTA Solution Dyed Nylon**
 Colour **Smokey Beige**
 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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Jul 2017**

Test Date **June 2017**

Total Thickness **mm**

Assembly System: OVER UNDERLAY AIRSTEP PRIME

The UNDERLAY used was **AIRSTEP PRIME**.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length Direction Critical Radiant Flux 3.1 kW/m²**
Width Direction Critical Radiant Flux 3.3 kW/m²

	Specimen Tests conducted in the Length Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	3.1	3.2	3.1	3.1
Smoke Development Rate (%.min)	446	435	449	443

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

Mean Critical Radiant Flux 3.1 kW/m²

Mean Smoke Development Rate 443 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.
All information required for compliance with the BCA and NCC is given on this test report page.

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(v5-0, 11/03/2017)



M. B. Webb
 Technical Manager

DATE: June 2017

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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	192	197	270	320	391	453	558	906	1245	1821	2083							
2	189	195	253	350	428	509	583	1021	1369	1952	2283							
3	176	183	249	367	467	522	615	909	1257	1894	2183							

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	519	2,385	64	442
Specimen Tests: Length				
1	536	2,274	57	446
2	527	2,453	63	435
3	536	2,569	62	449
Mean	533	2,432	61	443



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