TEST REPORT No. 171851

LABORATORY REF: P171851

CUSTOMER REFERENCE

DONEGAL

Sample description as provided by customer Order No. **108424**

Pile weight mass/unit area **40** oz/yd² Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic Soft Back** Colour **FAWN**

Style **Cut Pile Twist** 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 **Jan 2017** Test Date **30 Jan 2017**

ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP EXCELLAY.

The UNDERLAY used was DUNLOP EXCELLAY.

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 **2.6** kW/m²
	Specimen 1 Width Direction	Critical Radiant Flux **2.3** kW/m²
	Full tests carried out in the	**Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	2.3	2.4	2.4	2.4
Smoke Development Rate (%.min)	295	290	288	291

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 2.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 291 percent-minutes

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

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M. B. Webb
Technical Manager

DATE: 30 Jan 2017

Performance & Approvals
Testing No. 15393
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PAGE 1 of 2

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	194	195	234	255	288	325	389	406	502	668	762	1297	/					
2	197	198	256	275	293	319	350	382	456	524	888	943	/					
3	198	200	261	277	301	329	349	391	518	693	1048	1,308						

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Length**	576	1,692	71	286
Specimen Tests: **Width**				
1	605	1,708	70	295
2	595	1,777	73	290
3	594	1,694	71	288
Mean	598	1,726	71	291

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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
2004 04 09 10596 30 January 2017

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