GeorgeLow

TANGO

Sample description as provided by customer Order No. **24426**
Mass/unit area **30** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Brown**
Style **Cut Pile** 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 **Jun 2015** Test Date **28 Jun 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP GOVERNMENT RED.

The UNDERLAY used was DUNLOP GOVERNMENT RED.

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 **2.1** 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/m²)	2.1	2.2	2.2	2.2
Smoke Development Rate (%.min)	225	286	244	252

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 252 percent-minutes

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

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 28 Jun 2015

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

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	215	216	240	276	316	361	397	508	589	934	1098	1594	2103					
2	214	216	239	272	309	355	403	488	573	886	1173	1863	2284					
3	188	190	232	281	325	386	419	503	571	902	1238	1742	2175					

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**	632	2,399	55	219
Specimen Tests: **Length**				
1	650	2.498	53	225
2	630	2,562	62	286
3	630	2,499	60	244
Mean	637	2,520	58	252

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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 22787 28 June 2015

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