

HENTY

Sample description as provided by customer
Pile weight mass/unit area 50 oz/yd² 1695 g/m²
Construction Details Tufted Secondary Backing Jute
Style Loop Pile

Order No. AB
Pile Fibre Content 60% Wool 40% Synthetic
Colour GREY
Pile Height 7.0 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 Feb 2018 Test Date 20/2/2018 Total Thickness mm

Assembly: OVER UNDERLAY DUNLOP SUPER COMFORT.

The UNDERLAY used was DUNLOP SUPER COMFORT.

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 1.5 kW/m²
Width Direction Critical Radiant Flux 1.4 kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	1.4	1.5	1.6	1.5
Smoke Development Rate (%.min)	452	417	409	426

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 1.5 kW/m²

Mean Smoke Development Rate 426 %.min

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

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.

<p>ACCREDITED FOR TECHNICAL COMPETENCE</p>	<p>M. B. Webb Technical Manager</p>	
	<p>DATE: 20/2/2018</p>	
	<p>Performance & Approvals Accreditation No. 15393</p>	
	<p>Accredited for compliance with ISO/IEC 17025.</p>	

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	138	139	145	153	178	207	219	254	261	296	360	505	897	1216	1505	/		
2	136	137	140	146	165	197	231	241	252	273	335	506	699	1180	1729	/		
3	137	138	142	153	179	221	248	273	302	349	402	448	706	1096	1409			

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	730	1,732	79	409
Specimen Tests: Width				
1	750	1,954	88	452
2	730	1,974	90	417
3	720	1,581	89	409
Mean	733	1,836	89	426

M. B. Webb
Technical Manager

DATE: 20/2/2018

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