

RENDELL PLUSH

Sample description as provided by customer
Pile weight mass/unit area 40 oz/yd²
Construction Details Tufted Secondary Backing Jute
Style PLUSH

Order No. 53593
Pile Fibre Content 80% WOOL & 20% Synthetic
Colour Brown
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 Jan 2018 Test Date 02 Feb 2018 Total Thickness mm

Assembly: OVER UNDERLAY DUNLOP 10mm SUPER GREEN.

The UNDERLAY used was DUNLOP 10mm SUPER GREEN.

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 2.2 kW/m²
Width Direction Critical Radiant Flux 1.9 kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	1.9	2.4	2.2	2.2
Smoke Development Rate (%.min)	296	290	301	296

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 **2.2** kW/m²

Mean Smoke Development Rate **296** %.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.



M. B. Webb
Technical Manager

DATE: 02 Feb 2018

Performance & Approvals
Accreditation No. 15393
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TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

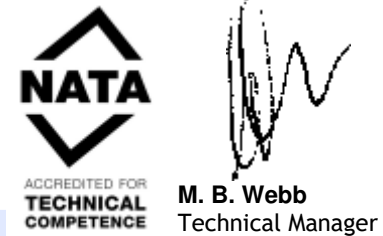
Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	119	120	125	129	136	145	158	192	205	220	287	344	467	771	/			
2	130	131	135	137	141	152	177	195	206	220	257	320				/		
3	129	130	138	148	167	202	249	302	384	449	602	842	1938					

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	620	1,029	86	304
Specimen Tests: Width				
1	660	907	91	296
2	600	1,390	89	290
3	610	1,238	87	301
Mean	623	1,178	89	296



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