LABORATORY TEST REPORT
P182667

m/s Victoria Carpets
7-29 Gladstone Rd,Dandenong Vic 3175

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 AIRSTEP STEPLIGHT.

The UNDERLAY used was AIRSTEP STEPLIGHT.

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 **2.3** 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/m²)	1.9	2.0	2.6	2.2
Smoke Development Rate (%.min)	280	275	292	282

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 282 %.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
Accredited for compliance with ISO/IEC 17025.

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The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015.
The laboratory does not allow the use of this page of the report without the use of page 1.

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	132	133	134	135	140	148	172	189	207	227	268	334	445	879	/			
2	127	128	129	131	141	151	170	190	202	230	285	372	521	/				
3	128	129	129	130	137	145	161	184	198	212	239	521			/			

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**	600	824	90	253
Specimen Tests: **Width**				
1	662	1,040	91	280
2	642	812	89	275
3	580	915	93	292
Mean	628	922	91	282

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

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