

LABORATORY TEST REPORT P182668

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 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 Flux2.2 kW/m²Width Direction Critical Radiant Flux1.9 kW/m²

| | Specimen Tests conducted in the Width Direction | | | | | | | | | |
|---|---|-----|-------------|-----|-----------|------|-----|--|--|--|
| | Specimen #1 | | Specimen #2 | Spe | ecimen #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.

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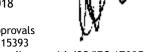
(v5-0, 11/03/2017)



ACCREDITED FOR

M. B. Webb Technical Manager

DATE: 02 Feb 2018 Performance & Approvals



TECHNICAL Accreditation No. 15393 **COMPETENCE** Accredited for compliance with ISO/IEC 17025.

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LABORATORY TEST REPORTThe information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard.Page 2 of 2P182668This 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.Page 2 of 2

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 CHARAC | TERISTICS | SMOKE PRODUCT | ION | | |
|-----------------------|---|----------------------------|-------------------------------------|--------------------------------------|--|--|
| 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 | | |



2004 04 09 10457 2 February 2018

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