Attn: MS Sue Schultz
m/s Beaulieu of Australia
64 Lahrs Rd,Ormeau Q/Ld 4208

LABORATORY TEST REPORT
P171050A

TECH BASE

Sample description as provided by customer Order No. **PO 28238**
Pile weight mass/unit area **15** oz/yd² Pile Fibre Content **100% DYCLON SOLUTION DYED POLYPROPYLENE**
Construction Details **Tufted** Secondary Backing **Jute** Colour **Brown**
Style **Level Loop** Pile Height **3.5** 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 **Aug 2017** Test Date **July 2017** Total Thickness mm

Assembly System: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Roberts 95 adhesive.

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

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	2.2	2.3	2.4	2.3
Smoke Development Rate (%.min)	157	177	174	169

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 2.3 kW/m²

Mean Smoke Development Rate 169 %.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: 31/7/2017

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

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