m/s BELGOTEX AUSTRALIA
Unit 4 13-15 Fishermans Rd, KULUIN Queensland 4558
Attn Mr Paul Sommerville

TEST REPORT No. 159089

LABORATORY REF: P159089

CUSTOMER REFERENCE
STORM

Sample description as provided by customer — Order No. PS
Mass/unit area 550 g/m² — Pile Fibre Content 100% SOLUTION DYED NYLON
Construction Details Tufted Secondary Backing Tile Bitumen — Colour Charcoal / Grey
Style Multi Level Loop — Pile Height / mm
The Samples Tested Were Modular Carpet

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 specification C1.10 of the Building Code of Australia.

The test values 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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Test Date 20 Jul 2015
Sample submitted Date Jul 2015

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using WATER BASED SURFACE CONTACT adhesive.

Substrate: Non-Combustible
Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test
Specimen 1 Length Direction — Critical Radiant Flux 7.2 kW/m²
Specimen 1 Width Direction — Critical Radiant Flux 9.4 kW/m²
Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	7.2	6.2	8.3	7.2
Smoke Development Rate (%.min)	125	187	149	154

The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia.
The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

MEAN CRITICAL RADIANT FLUX 7.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 154 percent-minutes

OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt a short distance.

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 20 Jul 2015

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

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

1004 04 09

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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	268	270	406	514	794	1128	/											
2	308	310	426	516	628	924	1188	/										
3	273	274	383	504	820	/												

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Width**	**190**	**990**	**30**	**116**
Specimen Tests: **Length**				
1	**290**	**1,392**	**18**	**125**
2	**340**	**1,485**	**28**	**187**
3	**240**	**1,209**	**29**	**149**
Mean	**290**	**1,362**	**25**	**154**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
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The laboratory does not allow the use of this page of the report without the use of page 1.
This page alone has no validity under Clause 9 of AS/ISO 9239 Part 1
2004 04 09 9934 20 July 2015

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