m/s SIGNATURE FLOORCOVERINGS PTY LTD
13 Wurundjeri Drive Epping Vic 3076

TEST REPORT No. 161619

LABORATORY REF: P161619

CUSTOMER REFERENCE

MOSS

Sample description as provided by customer
Pile weight mass/unit area **1020** g/m²
Construction Details **Tufted** Secondary Backing **Tile**
Style **Multi Level Loop**
The Samples Tested Were Modular Carpet

Order No. **PO107912**
Pile Fibre Content **100% NYLON Antron Legacy**
Colour **Various**
Pile Height **8.5** 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 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
Sample submitted Date **Sep 2016** Test Date **23 Sep 2016**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Water based Surface Contract 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 **10.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **6.4** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	6.4	7.4	10.9	8.2
Smoke Development Rate (%.min)	104	164	48	105

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 8.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 105 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: 23 Sep 2016

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

PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

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

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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	587	589	591	792	858	982	1116	/										
2	419	420	700	777	894	978	/											
3	401	404	/															

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**	100	803	10	42
Specimen Tests: **Width**				
1	330	1,217	22	104
2	280	1,111	32	164
3	100	793	10	48
Mean	237	1,040	21	105

NATA
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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 10508 23 September 2016

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