

ms MJS Underlays Pty Ltd, 32 Business St Yatala QLD 4207 Att Mr Kerry Krebs **TEST REPORT No. 114843**

LABORATORY REF: P114843

CUSTOMER REFERENCE

MJS CL5 160 5 mm 160 Density / TUFTMASTER LUMINARY 48

Sample description as provided by customer

Order No. KK

Mass/ unit area **48** oz/ yd² **1627** g/ m²

Pile Fibre Content 100% WOOL

Construction Details Tufted Secondary Backing Jute

Colour Dark Grey

Style LEVEL LOOP HEATHER

Pile Height 4.8 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 C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date March 2011

Test Date 13/4/2011

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) (Details Below).

The underlay used was MJS CL5160 5mm 160 DENSITY it was adhered to the substrate using MaxBond ENVIRO 2010 adhesive. The floor covering was adhered to the underlay using MaxBond ENVIRO 2010 adhesive.

Substrate: Non-combustible

Substrate –6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
Sample Cleaned as Specified in ISO 11379. 1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction

Critical Radiant Flux 10.6 kW/ m²

Specimen 1 Width Direction

Critical Radiant Flux 10.7 kW/ m²

Full tests carried out in the

Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/ m²)	10.6	10.8	10.8	10.7
Smoke Development Rate (%min)	37	50	51	46

The values quoted below are as required by Specification C1.10a 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 10.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 46 percent-minutes

OBSERVATIONS The samples singed, ignited and burnt a very short distance



M. B. Webb Technical Manager

DATE: 13/4/2011

Measurement Science & Technology No. 15393

This document is issued in accordance with NATA's accreditation requirements.

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This Page (1)

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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

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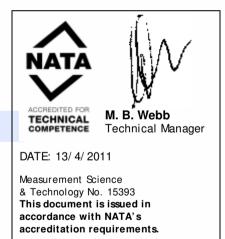
TEST REPORT No. 114843 LABORATORY REF: P114843 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

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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	144	145	174	/														
2	139	141	160	/														
3	135	136	470	/														

TESTS	SMOKE PRODUCT	TION	BURNING CHARACTERISTICS				
Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)			
Initial Test: Width	16	51	115	882			
Specimen Tests: Length							
1	10	37	125	823			
2	12	50	112	750			
3	17	51	112	635			
Mean	13	46	116	736			



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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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