

CUSTOMER REFERENCE

## MJSCL5160 5mm 160 Density / NORTHSTATE YORKTON

Sample description as provided by customer

Mass/ unit area 28 oz/ yd<sup>2</sup> / g/ m<sup>2</sup>

Pile Fibre Content 100% ULTREL SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Jute

Colour Blue

Style LOOP

Pile Height / mm

Order No. KK

**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 12/4/2011

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

The underlay used was MJSCL5160 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 1.9 kW/ m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 1.9 kW/ m<sup>2</sup>  
Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/ m <sup>2</sup> )	1.9	1.8	1.9	1.9
Smoke Development Rate (%min)	457	457	379	431

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 1.9 kW/ m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 431 percent-minutes**

OBSERVATIONS The samples shrunk away from the heat source, ignited and burnt.



**M. B. Webb**  
Technical Manager

DATE: 12/ 4/ 2011

Measurement Science & Technology No. 15393  
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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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**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	166	167	255	288	307	318	356	409	473	537	632	742	914	1278	/			
2	182	183	214	259	327	341	372	391	465	566	625	863	1319	1955	/			
3	234	235	254	272	293	308	334	387	497	636	834	1014	1395	1983	/			

**TESTS**

**SMOKE PRODUCTION**

**BURNING CHARACTERISTICS**

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Width</b>	81	459	682	2,149
Specimen Tests: <b>Length</b>				
1	82	457	680	1,670
2	83	457	690	2,524
3	83	379	680	2,462
<b>Mean</b>	83	431	683	2,219



ACCREDITED FOR  
**TECHNICAL  
 COMPETENCE**



**M. B. Webb**  
 Technical Manager

DATE: 12/ 4/ 2011

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

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