

CUSTOMER REFERENCE

**MJS CL5160 5mm 160 Density Northstate RECOIL 26oz/yd<sup>2</sup>**

Sample description as provided by customer

Mass/unit area **26 oz/yd<sup>2</sup>**

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **Loop Pile**

Order No. **KKrebs**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **Brown/Gold**

Pile Height / 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.**

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 **May 2013**

Test Date **29 May 2013**

**ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) MJS CL5160**  
**5mm/Maxbond ENVIRO 2010**

The underlay used was **MJS CL5160 5mm** 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.**

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **1.6 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **1.5 kW/m<sup>2</sup>**

Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>1.5</b>	<b>1.5</b>	<b>1.6</b>	<b>1.5</b>
Smoke Development Rate (%.min)	<b>304</b>	<b>295</b>	<b>282</b>	<b>294</b>

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

**MEAN SMOKE DEVELOPMENT RATE 294 percent-minutes**

OBSERVATIONS: **The Samples shrunk away from the heatsource, ignited or burnt**



**M. B. Webb**  
Technical Manager

DATE: 29 May 2013

Measurement Science & Technology No. 15393  
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PAGE 1 of 2

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	150	152	212	250	269	284	310	343	399	504	936	1664	2013	2394	2975	/		
2	157	159	211	254	266	287	304	335	359	515	953	1312	1762	2384	3180	/		
3	190	191	203	231	250	262	295	342	379	530	866	1272	1960	2405	2819	/		

**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: <b>Length</b>	731	3,284	80	296
Specimen Tests: <b>Width</b>				
1	740	3,573	78	304
2	740	3,925	81	295
3	730	2,900	79	282
Mean	737	3,466	79	294



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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.  
 2004 04 09 37488 29 May 2013