

CUSTOMER REFERENCE

MJSCL5160 5mm 160 Density /NORTHSTATE YORKTON

Sample description as provided by customer

Mass/unit area **28 oz/yd² / g/m²**

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

Construction Details **Tufted** Secondary Backing **Jute**

Style **LOOP**

Order No. **KK**

Colour **Blue**

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.

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 **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 **1.9 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **1.9 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	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/m²

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



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.

1004 04 09

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: Width	81	459	682	2,149
Specimen Tests: Length				
1	82	457	680	1,670
2	83	457	690	2,524
3	83	379	680	2,462
Mean	83	431	683	2,219



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 12/4/2011

Measurement Science & Technology No. 15393
This document is issued in accordance with NATA's accreditation requirements.

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 23580 13 April 2011