

CUSTOMER REFERENCE  
**TERABYTE MJS CUSH "N" LAY**

Sample description as provided by customer

Mass/unit area **28 oz/yd<sup>2</sup>**

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

Style **Loop Pile**

**MJS CUSH "N" LAY WAS STUCK TO THE CEMENT SHEET WITH ENVIRO 2004 ADHESIVE**

Order No. **KK**

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

Colour **Grey/Fawn**

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 C1.10 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 **Nov 2015**

Test Date **14 Nov 2015**

**ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) MJS CUSH "N" LAY**

The underlay used was **MJS CUSH "N" LAY** it was adhered to the substrate using **ENVIRO 2010** adhesive. The floor covering was adhered to the underlay using **ENVIRO 2004** 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 **3.4 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **3.3 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>3.3</b>	<b>1.7</b>	<b>2.7</b>	<b>2.6</b>
Smoke Development Rate (%.min)	<b>285</b>	<b>291</b>	<b>302</b>	<b>293</b>

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

**MEAN SMOKE DEVELOPMENT RATE 293 percent-minutes**


OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt a relatively short distance.



**M. B. Webb**  
Technical Manager

DATE: 14 Nov 2015

Performance & Approvals  
Testing No. 15393  
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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	236	237	269	311	329	363	389	436	565	1060	/	1064	/					
2	265	266	277	339	356	404	429	510	586	916	1638	2148	2757	3524	4140	/		
3	247	249	288	342	379	447	520	693	842	<sup>1</sup> 248	1695	2079						

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>		<b>490</b>	<b>1,532</b>	<b>69</b>	<b>293</b>
Specimen Tests: <b>Width</b>					
1		<b>500</b>	<b>1,412</b>	<b>70</b>	<b>285</b>
2		<b>710</b>	<b>4,148</b>	<b>71</b>	<b>291</b>
3		<b>560</b>	<b>2,093</b>	<b>74</b>	<b>302</b>
<b>Mean</b>		<b>590</b>	<b>2,551</b>	<b>72</b>	<b>293</b>



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**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

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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

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