

CUSTOMER REFERENCE
TERABYTE MJS CUSH "N" LAY

Sample description as provided by customer

Mass/unit area **28 oz/yd²**

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

Style **Loop Pile**

The MJS CUSH "N" LAY WAS STUCK TO THE CEMENT SHEET WITH ENVIRO 2010 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 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 **3.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.5 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.5	2.5	2.3	2.4
Smoke Development Rate (%.min)	278	295	261	278

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 2.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 278 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

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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	147	149	174	199	249	314	408	482	524	588	688	1064	/					
2	169	171	238	314	377	444	519	567	587	793	904	1293				/		
3	159	160	224	309	369	459	548	604	759	962	1217	1685	1980					

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: Length		510	1,530	70	302
Specimen Tests: Width					
1		580	1,806	73	278
2		580	1,773	71	295
3		610	1,938	70	261
Mean		590	1,839	71	278



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**TECHNICAL
COMPETENCE**



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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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