

CUSTOMER REFERENCE

## TORSO

**Sample description as provided by customer**

Mass/unit area **25.1 oz/yd<sup>2</sup> 850 g/m<sup>2</sup>**

Construction Details **Tufted** Secondary Backing **Modified Bitumen**

Style **Cut Pile**

**The Samples Tested MODULAR CARPET**

Order No. **KAS**

Pile Fibre Content **100% NYLON 6.6**

Colour **Various**

Pile Height **8.0 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 **May 2012**

Test Date **23 May 2012**

## ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **FULLY ADHERED USING MAPEI ECO TACK 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 **10.1 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **10.1 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> )	<b>10.1</b>	<b>10.8</b>	<b>10.8</b>	<b>10.6</b>
Smoke Development Rate (%.min)	<b>52</b>	<b>58</b>	<b>82</b>	<b>64</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 10.6 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 64 percent-minutes

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



**M. B. Webb**  
Technical Manager

DATE: 23 May 2012

Measurement Science & Technology No. 15393  
Accredited for compliance with ISO/IEC 17025.



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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	283	286	469	/														
2	271	274	453	/														
3	259	252	453	/														

Specimen	SMOKE PRODUCTION		BURNING CHARACTERISTICS	
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Width</b>	33	135	150	1,023
Specimen Tests: <b>Length</b>				
1	14	52	150	880
2	18	58	110	767
3	23	82	110	763
Mean	18	64	123	803



**NATA**

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