

CUSTOMER REFERENCE

## SAND

**Sample description as provided by customer**

Mass/unit area **580 g/m<sup>2</sup>** Pile Fibre Content **100% SOLUTION DYED NYLON**  
Construction Details **Tufted** Secondary Backing **MODIFIED BITUMEN** Colour **Grey**  
Style **STRUCTURED LOOP PILE** Pile Height **2.5 mm**

Order No. **KAS**

**THE SAMPLES TESTED WERE MODULAR CARPET**

**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 **October 2011** Test Date **4/11/2011**

## 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 **8.7 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m<sup>2</sup>**  
Full tests carried out in the **Width** Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>8.7</b>	<b>8.5</b>	<b>8.7</b>	<b>8.6</b>
Smoke Development Rate (%.min)	<b>109</b>	<b>169</b>	<b>143</b>	<b>140</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 **8.6 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **140** percent-minutes

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 4/11/2011	
	Measurement Science & Technology No. 15393	
	<b>This document is issued in accordance with NATA's accreditation requirements.</b>	

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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	217	218	415	452	702	/												
2	247	248	328	465	550	/												
3	223	224	351	501	652													

**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: <b>Width</b>	38	224	221	952
Specimen Tests: <b>Length</b>				
1	32	109	220	932
2	45	169	230	1,039
3	39	143	222	952
<b>Mean</b>	39	140	224	974



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 4/11/2011

Measurement Science  
& Technology No. 15393  
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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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