

CUSTOMER REFERENCE

## HIGH TECH

Sample description as provided by customer

Mass/unit area **20 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Loop Pile**

Order No. **24088**

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

Colour **Cream**

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 **Feb 2015**

Test Date **06 Mar 2015**

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

The floor covering was directly stuck to the substrate using **ROBERTS 95** 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 **4.3 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **3.9 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>3.9</b>	<b>4.3</b>	<b>4.3</b>	<b>4.2</b>
Smoke Development Rate (%.min)	<b>89</b>	<b>93</b>	<b>77</b>	<b>86</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 4.2 kW/m<sup>2</sup>

## MEAN SMOKE DEVELOPMENT RATE 86 percent-minutes


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



**M. B. Webb**  
Technical Manager

DATE: 06 Mar 2015

Performance & Approvals  
Testing No. 15393  
Accredited for compliance with ISO/IEC 17025.



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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	285	287	389	653	791	1046	1203	1562	2153	2682	/							
2	257	259	618	803	951	1069	1298	1866	2095	/								
3	274	276	599	758	894	1179	1389	1584	1984									

**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>	438	2,441	26	91
Specimen Tests: <b>Width</b>				
1	460	2,687	22	89
2	440	2,412	26	93
3	438	2,288	28	77
<b>Mean</b>	446	2,462	25	86



ACCREDITED FOR  
**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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