

CUSTOMER REFERENCE

## COMMON THREAD B2 Backed

Sample description as provided by customer

Mass/unit area **420 g/m<sup>2</sup>**

Construction Details **Tufted** Secondary Backing **B2 Backing**

Style **Loop Pile**

The Samples Tested Were Modular Carpet

Order No. **PO0027578**

Pile Fibre Content **100% 6.6 NYLON**

Colour **Charcoal / Grey**

Pile Height / mm

TEST METHOD ISO 9239-1(2010 06-15) Determination of the Burning Behaviour using a radiant heat source As required by the New Zealand Building Code Clause C3.4 (b) (April 2012)

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 10 ( o ) of ISO 9239-1:2010.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Apr 2016**

Test Date **15 Apr 2016**

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

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** 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 **7.7 kW/m<sup>2</sup>**

Specimen 1 Width Direction Critical Radiant Flux **7.5 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>7.5</b>	<b>7.6</b>	<b>7.6</b>	<b>7.6</b>

The value quoted below is as required by the New Zealand Building Code Clause C3.4 (b) (April 2012) "Minimum critical radiant flux when tested to ISO 9239-1:2010". Hence the Radiant Flux quoted is the value at Flame-Out/Extinguishment Not after a 30 minute burn as used in Europe.

### MEAN CRITICAL RADIANT FLUX **7.6 kW/m<sup>2</sup>**

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

 ACCREDITED FOR <b>TECHNICAL COMPETENCE</b>	<b>M. B. Webb</b> Technical Manager	
	DATE: 15 Apr 2016	
	Performance & Approvals Testing No. 15393	
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Clause 10 ( o ) of ISO 9239-1:2010

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	282	283	357	499	706	1093												
2	294	295	435	503	792	895	/											
3	205	206	407	528	720	/												


**TESTS**

**BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Length</b>	262	983
Specimen Tests: <b>Width</b>		
1	265	1,149
2	270	1,092
3	270	1,013
<b>Mean</b>	268	1,085



**NATA**  
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**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 10 ( o ) of ISO 9239-1:2010

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