

CUSTOMER REFERENCE

## MANAAKI

Sample description as provided by customer

Mass/unit area **18 oz/yd<sup>2</sup> 610 g/m<sup>2</sup>**

Construction Details **Tufted** Secondary Backing **MAXIMA™ Hard Back**

Style **Loop Pile**

**The Samples Tested Were Modular Carpet With MAXIMA™ HARD BACK**

Order No. **67000430627**

Pile Fibre Content **100% 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 **Jun 2016**

Test Date **16 Jun 2016**

## ASSEMBLY SYSTEM: DIRECT STICK Roberts 656

The floor covering was directly stuck to the substrate using **Roberts 656** 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 **7.9 kW/m<sup>2</sup>**

Specimen 1 Width Direction Critical Radiant Flux **6.4 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>6.4</b>	<b>9.2</b>	<b>6.2</b>	<b>7.3</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 7.3 kW/m<sup>2</sup>

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



**M. B. Webb**  
Technical Manager

DATE: 16 Jun 2016

ACCREDITED FOR  
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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	273	275	355	450	629	1215	1368	/										
2	378	380	447	521	/													
3	245	247	383	548	668	1365	1647	/										

**TESTS**

**BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Length</b>	260	1,457
Specimen Tests: <b>Width</b>		
1	330	1,896
2	200	827
3	340	2,347
<b>Mean</b>	290	1,690



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