

CUSTOMER REFERENCE  
**TRETFORD ROLL**

Sample description as provided by customer  
TOTAL weight mass/unit area **2750 g/m<sup>2</sup>**  
Construction Details **Bonded** Secondary Backing **Jute**  
Style **Loop Pile**

Order No. **GH**  
Pile Fibre Content **80% Goat Hair 15% Nylon 5% Viscose**  
Colour **Brown**  
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 **Aug 2016**

Test Date **04 Aug 2016**

## ASSEMBLY SYSTEM: DIRECT STICK TREFORD 240.

The floor covering was directly stuck to the substrate using **TREFORD 240** 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 **7.5 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **8.1 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>7.5</b>	<b>7.4</b>	<b>8.0</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: 04 Aug 2016 Performance & Approvals Testing No. 15393 Accredited for compliance with ISO/IEC 17025.	

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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	138	139	148	156	170	250	/											
2	164	165	169	195	222	264	/											
3	132	133	169	182	458	/												

**TESTS**

**BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Width</b>	<b>240</b>	<b>941</b>
Specimen Tests: <b>Length</b>		
1	275	898
2	280	754
3	255	797
<b>Mean</b>	<b>270</b>	<b>816</b>




**M. B. Webb**  
 Technical Manager

DATE: 04 Aug 2016

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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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