

CUSTOMER REFERENCE
TRETFORD PVC TILE

Sample description as provided by customer
Mass/unit area **TOTAL WEIGHT 5 Kg/m²**
Construction Details **Carded Fibres** Secondary Backing **PVC Backing**
Style **Loop Pile**
The Samples Tested Were Modular Carpet With PVC Backing

Order No. **GH**
Pile Fibre Content **70% GOAT HAIR 30% NYLON**
Colour **Various**
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 **Sept 2015**

Test Date **10 Oct 2015**

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 **7.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **5.8 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.8	7.5	7.6	7.0
Smoke Development Rate (%.min)	151	166	146	154

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 7.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 154 percent-minutes


OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**



M. B. Webb
Technical Manager

DATE: 10 Oct 2015

Performance & Approvals
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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	143	144	158	182	215	261	374	630	/									
2	142	144	166	181	294	338	/											
3	139	140	146	159	180	267	/											

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: Length		280	729	30	162
Specimen Tests: Width					
1		360	711	35	151
2		275	790	29	166
3		271	736	34	146
Mean		302	746	33	154



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



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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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