

CUSTOMER REFERENCE
TEMPRA

Sample description as provided by customer

Mass/unit area **589 g/m²**
 Construction Details **Tufted** Secondary Backing **Modified Bitumen**
 Style **Loop Pile**

Order No. **GH**
 Pile Fibre Content **BCF Nylon 6**
 Colour **Red**
 Pile Height **2.0 mm**

THE SAMPLES TESTED WERE MODULAR CARPET.

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 C1.10a 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 **December 2012** Test Date **11 Jan 2013**

ASSEMBLY SYSTEM: DIRECT STICK FULLY ADHERED Using MAPEI ECO TACK.

The floor covering was directly stuck to the substrate using **FULLY ADHERED Using MAPEI ECO TACK** 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 **7.3 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **7.4 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.3	8.5	8.8	8.2
Smoke Development Rate (%.min)	238	208	197	214

The values quoted below are as required by Specification C1.10a 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 8.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 214 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 11 Jan 2013

Measurement Science & Technology No. 15393
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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.



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	218	200	262	312	409	491	/											
2	204	204	300	461	530	/												
3	242	244	340	389	457	/												

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: Width		286	940	45	182
Specimen Tests: Length					
1		290	902	60	238
2		230	918	52	208
3		220	814	52	197
Mean		247	878	55	214

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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 Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
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