

CUSTOMER REFERENCE
TUDOR TWIST

Sample description as provided by customer

Mass/unit area **1085 g/m²**
Construction Details **Tufted** Secondary Backing **Jute**
Style **Cut Pile**

Order No. **40487**
Pile Fibre Content **80% WOOL & 20% POLYPROPYLENE**
Colour **GREY**
Pile Height **7.5 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 C1.10a 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 **Nov 2012**

Test Date **Feb 2013**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPEZY.

The UNDERLAY used was AIRSTEP STEPEZY.

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 **3.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.2 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	3.2	3.3	3.3	3.3
Smoke Development Rate (%.min)	272	291	252	272

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 3.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 272 percent-minutes


OBSERVATIONS: **The samples singed ignited and burnt**



M. B. Webb
Technical Manager

DATE: 4/2/2012

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	123	124	126	128	131	137	155	229	352	762	997			/				
2	124	126	152	169	188	241	289	386	496	838	1099							
3	125	126	160	177	213	240	291	389	509	884	1126							

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		503	896	89	269
Specimen Tests: Width					
1		519	1,030	91	272
2		511	1,156	88	291
3		512	1,189	87	252
Mean		514	1,189	89	272



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The laboratory does not allow the use of this page of the report without the use of page 1.
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