

CUSTOMER REFERENCE
CRITICS CHOICE

Sample description as provided by customer

Mass/unit area **26 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Cut Pile**

Order No. **PO 23101**

Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Colour **Cream**

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 **July 2014**

Test Date 30/7/2014

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS 95** 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 **5.9 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **5.2 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.2	5.8	5.2	5.4
Smoke Development Rate (%.min)	59	108	98	88

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 5.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 88 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 30/7/2014

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.



PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

1004 04 09

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	381	383	528	783	1096	1218	1584	1795										
2	273	275	588	909	1192	1414	1739	/										
3	359	361	506	754	1192	1448	1766	2196	/									

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	353	2,094	31	94
Specimen Tests: Width				
1	391	2,159	24	59
2	360	2,252	28	108
3	390	2,479	29	98
Mean	380	2,297	27	88



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE 30/7/2014

Performance and Approvals
Testing No. 15393
**Accredited for compliance
with ISO/IEC 17025.**

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
2004 04 09 15736 1 August 2014