

CUSTOMER REFERENCE
CLOUD 9

Sample description as provided by customer

Mass/unit area / oz/yd² **800 g/m²** Pile Fibre Content **100% POLYPROPYLENE**
Construction Details **NON WOVEN** Secondary Backing **WATER RESISTANT RESIN**
Style **Multi Level**

Order No. **9037**

Colour /
Pile Height **7 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.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **October 2010** Test Date **5/11/2010**

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.

Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **3.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.3 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	3.2	3.2	3.0	3.1
Smoke Development Rate (%.min)	91	89	95	92

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 3.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 92 percent-minutes


OBSERVATIONS **The samples shrunk away from the heat source ,ignited ,then burnt.**



M. B. Webb
Technical Manager

DATE: 5/11/2010

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	168	169	193	354	555	948	1217	1603	1943	2112	2378	/						
2	162	164	217	324	447	549	771	1163	1323	1491	2399	/						
3	146	147	164	228	298	553	651	798	1000	1497	1678	/						

TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Width	14	46	530	2,178
Specimen Tests: Length				
1	15	91	540	4,229
2	19	89	540	3,552
3	13	95	550	2,029
Mean	16	92	543	3,270



ACCREDITED FOR
**TECHNICAL
 COMPETENCE**

M. B. Webb
 Technical Manager

DATE: 5/11/2010

Measurement Science
 & Technology No. 15393

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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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