

Att Mr Philip Way
m/s STERLING SUPPLIES
PO BOX 3151, BURNIE TAS 7320

TEST REPORT No. 104053

LABORATORY REF: P104053

CUSTOMER REFERENCE
DURACLEAN 290

Sample description as provided by customer

Mass/unit area / oz/yd² 3130 g/m² Pile Fibre Content 100% POLYPROPYLENE

Construction Details Tufted Secondary Backing PVC Backing

Style LOOP

Order No. PW

Colour Black

Pile Height 9 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 22/4/2010

Test Date 5/5/2010

ASSEMBLY SYSTEM: LOOSE LAID (Details Below).

The UNDERLAY used was **NO UNDERLAY WAS USED.**

Floor covering loose laid over the substrate without underlay or adhesive. Clause 5.3 of AS/ISO 9239 ALLOWS THIS TO REPRESENT AN ADHESIVE ONLY SYSTEM.

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 1.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 1.0 kW/m²

Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	1.0	1.1	1.0	1.0
Smoke Development Rate (%.min)	951	827	917	898

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 1.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 898 %.min

OBSERVATIONS THE SAMPLES DID NOT EXTINGUISH ALL BURNS WERE STOPPED AS THEY RAN OUTSIDE THE MEASUREMENT RANGE OF THE TEST RIG



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 5/5/2010

Measurement Science &
Technology No. 15393
This document is issued in accordance with
NATA's accreditation requirements.

PAGE 1 of 2

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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THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

PAGE 2 of 2

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	180	181	219	235	244	267	273	290	306	321	452	520	801	1233	1682	2130	2619	3130
2	155	156	180	203	226	240	258	272	291	314	318	360	572	1123	1566	2151	2572	3049
3	176	177	185	218	230	245	263	289	304	319	428	463	609	1249	1639	2169	2603	3061

TESTS

Specimen	SMOKE PRODUCTION			BURNING CHARACTERISTICS				
	Maximum Light Attenuation (%)	Smoke Development Rate (%/min)		Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Critical Heat Flux at 30min (KW/m ²)*		
Initial Test: Width	99	873		890	3,259	1.5*		
Specimen Tests: Length								
1	101	951		890	3,260	1.5*		
2	99	827		860	3,054	1.5*		
3	98	917		890	3,241	1.5*		
Mean	99	898		880	3,185	1.5*		

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.

* Critical Heat Flux at 30min has no relevance under the Building Code of Australia which demands Heat Flux measurement at Flame Out/Extinguishment (BCA General Provisions A1.1).

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