

CUSTOMER REFERENCE

DANCEFLOOR

Sample description as provided by customer

Heterogeneous Compact Vinyl Flooring Total Thickness 2.0 mm Wear Layer Thickness 0.9 mm Total Weight/m² 2990g

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 **11 Aug 2014**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **VINYL ADHESIVE** as Recommended by m/s Tarkett

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 8.5 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.9 kW/m²
Full tests carried out in the **Length** Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	8.5	8.9	8.5	8.6
Smoke Development Rate (%.min)	181	198	181	187

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 8.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 187 percent-minutes

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

	M. B. Webb Technical Manager	
	DATE: 11/8/2014	
	Performance & Approvals Testing No. 15393	
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Clause 9 of AS/ISO 9239 Part 1

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	152	153	162	168	180			/										
2	136	137	142	161	167		/											
3	137	138	143	150	170		/											

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		215	725	92	179
Specimen Tests: Length					
1		231	1,083	97	181
2		218	791	94	198
3		233	733	95	181
Mean		227	869	95	187



NATA

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**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 11 Aug 2014

Performance and Approvals
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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 Clause 9 of AS/ISO 9239 Part 1

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