

CUSTOMER REFERENCE

iD INSPIRATION Loose Lay Tile

Sample description as provided by customer

Order No. 5297707

Vinyl Tile Dimensions 4.5mm x 304.8mm x 609.6mm 0.55mm Pure PVC Transparent Wear Layer. Colour Various

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 Apr 2016

Test Date 05 Apr 2016

ASSEMBLY SYSTEM: LOOSE LAID (Details Below).

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.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 9.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 9.0 kW/m²
Full tests carried out in the Width Direction



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	9.0	9.1	9.2	9.1
Smoke Development Rate (%.min)	168	183	166	172

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 9.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 172 percent-minutes

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 05 Apr 2016	
	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	213	214	394	180	820	/												
2	198	200	375	497	/													
3	171	172	298	420	/													

TESTS	BURNING CHARACTERISTICS		SMOKE PRODUCTION	
	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: Length	190	735	36	140
Specimen Tests: Width				
1	210	829	33	168
2	208	1,012	36	183
3	200	829	34	166
Mean	206	890	34	172



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 05 Apr 2016

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 4152 6 April 2016