m/s Tarkett Australia Pty Ltd.
16 Anella Avenue Castle Hill NSW 2154
Attn MS Maria Barreto-Tilman

TEST REPORT No. 148295

LABORATORY REF: P148295

CUSTOMER REFERENCE

STANDARD PLUS 2.0mm

Sample description as provided by customer
Homogeneous Vinyl Flooring Total Thickness 2.0mm,Wear Layer Thickness 2.0mm,Total Weight/m² 3300g

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 **Aug 2014** Test Date **18 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 **7.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **9.6** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	7.9	10.6	10.6	9.7
Smoke Development Rate (%.min)	41	42	65	49

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 9.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 49 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 18/8/2014

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

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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	171	173	280	286	483	654	/											
2	206	208	258	/														
3	179	181	243	/														

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** (14080001)	**180**	**954**	**22**	**44**
Specimen Tests: **Length**				
1 (148295-1)	260	861	21	41
2 (148295-3)	115	791	21	42
3 (148295-4)	115	1,055	35	65
Mean	163	902	26	49

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 18 Aug 2014

Performance and Approvals Testing 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 Clause 9 of AS/ISO 9239 Part 1
2004 04 09 3322 18 August 2014

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