m/s Advantage Flooring
16 Gibbs St, Arundel Qld 4214
Attn: Lynda

TEST REPORT No. 161618

LABORATORY REF: P161618

CUSTOMER REFERENCE

TRIOFLOR Luxury Vinyl Plank

Sample description as provided by customer
LVT Total Thickness 2.5mm Wear Layer 0.3mm Size 187 mm x 1227 mm

Order No. **Lynda**

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 **Sep 2016** Test Date **21 Sep 2016**

ASSEMBLY SYSTEM: DIRECT STICK Acrylic hard set.

The floor covering was directly stuck to the substrate using Acrylic hard set adhesive.

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 **11.1** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **10.9** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	10.9	11.1	10.7	10.9
Smoke Development Rate (%.min)	67	65	80	71

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 10.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 71 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 21 Sep 2016

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	157	158	/															
2	187	188	/															
3	220	222	365	/														

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: **Length**	90	761	30	88
Specimen Tests: **Width**				
1	100	737	30	67
2	90	743	24	65
3	110	745	33	80
Mean	100	742	29	71

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

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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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