m/s Golden Elite Group
64 MOSS St SLACKS CREEK QLD 4127
Attn: Quing Yan

TEST REPORT No. 161702

LABORATORY REF: P161702

CUSTOMER REFERENCE

LAMINATE 8 mm

Sample description as provided by customer Order No. **QY**

LAMINATE PLANK Dimensions 167 mm x 1215 mm with Thickness 8 4 Layers of HDF in between

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 **Oct 2016** Test Date **17 Nov 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY Premium Acoustic Underlay.

The UNDERLAY used was Premium Acoustic Underlay.

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 4.6 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 4.2 kW/m²
Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.2	4.2	4.5	4.3
Smoke Development Rate (%.min)	50	89	35	58

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 4.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 58 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a relatively short distance.**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 17 Nov 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	374	375	529	558	619	699	834	2163	2513	/								
2	385	387	438	539	673	806	1091	2143	2260	/								
3	361	362	509	562	685	819	1124	1684	2348									

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**	425	2,929	7	48
Specimen Tests: **Width**				
1	450	3,107	8	50
2	450	3,611	4	89
3	433	2,942	3	35
Mean	444	3,220	5	58

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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