Mr Yang Qing General Manager
m/s Golden Elite Group Pty Ltd
Unit 2-231 Holt Street Pinkenba Queensland 4008

LABORATORY TEST REPORT
P182807

ENGINEERED TIMBER

Sample description as provided by customer
15 mm Thick X 192 mm Wide X 1900 mm Long

Order No. **YQ**

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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Apr 2018** Test Date **26 Apr 2018** Total Thickness mm

Assembly: OVER UNDERLAY Premium Acoustic .

The UNDERLAY used was Premium Acoustic .

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **2.9** kW/m²
Width Direction Critical Radiant Flux **2.3** kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	2.3	2.5	2.2	2.3
Smoke Development Rate (%.min)	43	18	100	54

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

Mean Critical Radiant Flux 2.3 kW/m²

Mean Smoke Development Rate 54 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.
All information required for compliance with the BCA and NCC is given on this test report page.

M. B. Webb
Technical Manager

DATE: 26 Apr 2018

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

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia
Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088
Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319

The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015.
The laboratory does not allow the use of this page of the report without the use of page 1.

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	143	145	297	370	455	546	690	793	912	1100	1302	1746	2459	/				
2	198	199	276	336	420	580	735	893	970	1180	1646	1856	/					
3	167	168	316	334	450	579	675	950	1120	1241	1526	/						

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Length**	550	1,614	6	26
Specimen Tests: **Width**				
1	610	2,470	6	43
2	590	2,068	5	18
3	620	2,447	11	100
Mean	607	2,328	7	54

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 26 Apr 2018

Performance and Approvals
Accreditation No. 15393
Accredited for compliance with ISO/IEC 17025.

2004 04 09 27773 26 April 2018

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319