

m/s Godfrey Hirst Australia Pty Ltd  
P O BOX 93  
South Geelong VIC 3220 Attn: MS Mandy Chandley

TEST REPORT No. 161820

LABORATORY REF: P161820

CUSTOMER REFERENCE  
**GH LVT DS 3mm/03 Wear Layer**

Sample description as provided by customer  
**LVT DS 3mm 0.3mm Wear Layer**

Order No. **APL 12A**

**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 **Dec 2016**

Test Date **10 Jan 2017**

## ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **POLYMER 365** 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 **10.3 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **10.6 kW/m<sup>2</sup>**  
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>10.3</b>	<b>10.3</b>	<b>10.3</b>	<b>10.3</b>
Smoke Development Rate (%.min)	<b>103</b>	<b>96</b>	<b>113</b>	<b>104</b>

*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 10.3 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 104 percent-minutes**

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



**M. B. Webb**  
Technical Manager

DATE: 10 Jan 2017

Performance & Approvals  
Testing No. 15393  
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PAGE 1 of 2

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	193	194	206	300	/													
2	158	159	219	324	/													
3	161	162	202	353	/													

**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: <b>Width</b>	140	748	27	87
Specimen Tests: <b>Length</b>				
1	160	727	31	103
2	160	737	31	96
3	160	743	35	113
Mean	160	736	32	104



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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