

Attn: MS Mandy Chandley **m/s Godfrey Hirst Australia Pty Ltd** P O BOX 93 South Geelong VIC 3220 LABORATORY TEST REPORT P182688

GH HYBRID 5.8 mm /0.3 mm Wear Layer

Sample description as provided by customer

Order No. APL 1A

GH Hybrid 5.8 mm / 0.3 mm Wear Layer Dimensions 1220 mm x 180 mm x 5.8 mm Thickness

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 Feb 2018

Test Date 17 Feb 2018

Total Thickness mm

Assembly: LOOSE LAID (Details Below).

Floor covering loose laid over the substrate without underlay or adhesive. Clause 5.3 of AS.ISO 9239 ALLOWS THIS TO REPRESENT AN ADHESIVE ONLY SYSTEM.

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 Flux10.5 kW/m²Width Direction Critical Radiant Flux10.5 kW/m²

	Specimen Tests conducted in the Length Direction									
	Specimen #1	Specimen #2	Specimen #3	Mean						
Critical Radiant Flux (kW/m ²)	10.5	10.9	10.5	10.6						
Smoke Development Rate (%.min)	86	98	92	92						

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 10.6 kW/m²

Mean Smoke Development Rate 92 %.min

Observations: The samples shrunk away from the heat source, ignited and burnt a very 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.

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(v5-0, 11/03/2017)

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M. B. Webb

Technical Manager

DATE: 17 Feb 2018



ACCREDITED FOR Performance & Approvals TECHNICAL COMPETENCE Accreditation No. 15393 Accredited for compliance with ISO/IEC 17025.



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. Page 2 of 2 LABORATORY TEST REPORT P182688 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	161	162	495	7														
2	186	187	305	1														
3	183	184	482															

TESTS	BURNING CHARAC	CTERISTICS		SMOKE PRODUCT	ION			
Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Ou (s)	D It	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)		NATA	
Initial Test: Width	145		952	16		85		
Specimen Tests: Length								
1	145		1,132	17		86	DATE: 17 Eab 201	
2	120 732		732	18	98		Performance and A	
3	145	798		15		92	Accreditation No. 1 Accredited for com	
Mean	137		887	17		92	with ISO/IEC 17025	

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