

m/s Godfrey Hirst Australia Pty Ltd  
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South Geelong VIC 3220 Attn MS Elizabeth Mackowiak

TEST REPORT No. 125748A  
LABORATORY REF: P 125748A

## CUSTOMER REFERENCE INFUSION

Sample description as provided by customer

Mass/unit area 18 oz/yd<sup>2</sup>

Construction Details Tufted Secondary Backing Synthetic ENVIRO BAC™

Style Loop Pile

THE SAMPLES TESTED WERE MODULAR WITH ENVIRO BAC™ BACKING

Order No. APL 8C

Pile Fibre Content 100% SOLUTION DYED NYLON

Colour #590

Pile Height 4 mm

**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 C1.10a of the Building Code of Australia.**

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date August 2012

Test Date 17 Aug 2012

## ASSEMBLY SYSTEM: DIRECT STICK

The floor covering was directly stuck to the substrate using GHM G3 444 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 8.8 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 8.8 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> )	8.8	8.8	8.8	8.8
Smoke Development Rate (%.min)	74	77	85	79

The values quoted below are as required by Specification C1.10a 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 8.8 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 79 percent-minutes**

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



M. B. Webb  
Technical Manager

DATE: 17 Aug 2012

ACCREDITED FOR  
TECHNICAL  
COMPETENCE

Measurement Science &  
Technology No. 15393  
Accredited for compliance with ISO/IEC 17025.

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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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	196	198	270	339	455	/												
2	177	179	252	349	415	/												
3	211	213	282	338	451	/												

## TESTS

Specimen	SMOKE PRODUCTION				BURNING CHARACTERISTICS			
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)				
Initial Test: Width		17	76	220	756			
Specimen Tests: Length								
1		18	74	220	735			
2		20	77	220	720			
3		22	85	220	739			
Mean		20	79	220	731			

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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.  
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