

m/s Godfrey Hirst Australia Pty Ltd **POBOX93** South Geelong VIC 3220

Attn: MS Mandy Chandley

**TEST REPORT No. 125486** 

LABORATORY REF: P125486

**CUSTOMER REFERENCE** 

## HEALTHCARE CARPET

Sample description as provided by customer

Mass/unit area 22 oz/yd² Construction Details Tufted Secondary Backing Synthetic Style Level Loop

Pile Fibre Content 100% NYLON Colour Black/Grey Pile Height 4 mm

Order No. APL 2C

THE SECONDRY BACKING USED WAS HEALTHBACTM

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 **Feb 2012** 

Test Date **07 Mar 2012** 

## ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP BLACK RUBBER.

The UNDERLAY used was AIRSTEP BLACK RUBBER.

**Substrate: Non-Combustible** 

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

The Holding Torque on Specimen Frame was 2Nm.

Specimen 1 Length Direction Initial Test

Critical Radiant Flux 2.0 kW/m<sup>2</sup> Specimen 1 Width Direction Critical Radiant Flux 2.9 kW/m<sup>2</sup>

Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Mean		
Critical Radiant Flux (kW/m²)	2.0	2.9	3.5	2.8	
Smoke Development Rate (%.min)	391	395	368	385	

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 2.8 kW/m<sup>2</sup> MEAN SMOKE DEVELOPMENT RATE 385 percent-minutes

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



PAGE 1 of 2

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.

1004 04 09



TEST REPORT No. 125486 LABORATORY REF: P125486 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

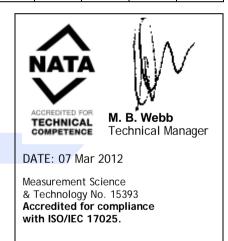
PAGE 2 of 2

## 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	149	150	168	218	232	245	267	288	312	373	664	1110	1639	2201	1			
2	186	187	208	229	242	295	315	327	355	425	458	1						
3	136	137	156	191	226	262	309	359	392	462	1							

TESTS SMOKE PRODUCTION BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	
Initial Test: Width (12030022)	85	395	550	1,254	
Specimen Tests: Length					
<b>1</b> (12030020)	82	391	660	2,202	
<b>2</b> (12030022)	85	395	550	1,254	
<b>3</b> (12030023)	83	368	500	979	
Mean	83	385	570	1,478	



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.

2004 04 09 13737 12 March 2012