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

TEST REPORT No. 125486

LABORATORY REF: P125486

CUSTOMER REFERENCE

HEALTHCARE CARPET

Sample description as provided by customer
Order No. **APL 2C**
Mass/unit area **22** oz/yd²
Pile Fibre Content **100% NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic**
Colour **Black/Grey**
Style **Level Loop**
Pile Height **4** mm
THE SECONDRY BACKING USED WAS HEALTHBAC™

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.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **2.0** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **2.9** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	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/m²

MEAN SMOKE DEVELOPMENT RATE 385 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 07 Mar 2012

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

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.

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

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**				
1 (12030020)	82	391	660	2,202
2 (12030022)	85	395	550	1,254
3 (12030023)	83	368	500	979
Mean	83	385	570	1,478

NATA
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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 04 09 13737 12 March 2012

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