

Att MS Elizabeth Mackowiak m/s Godfrey Hirst Australia Pty Ltd, P.O. Box 93, South Geelong Vic 3220

TEST REPORT No. 1041260

LABORATORY REF: P104126O

CUSTOMER REFERENCE

RAINBOW

| Sample description as provided by cust | Order No. APLC | | | | | | |
|--|-------------------------------|-------------------------|--|--|--|--|--|
| Mass/unit area 22 oz/yd² / g/m² | Pile Fibre Content 100% NYLON | | | | | | |
| Construction Details Tufted Secondary | Backing BITUMEN | Colour Blue/Pink | | | | | |
| Style LOOP PILE | | Pile Height 3 mm | | | | | |
| THE SAMPLES TESTED WERE MODULAR CARPET | | | | | | | |

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 17/6/2010

Test Date 8/7/2010

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using GHM GS 444 adhesive.

Substrate : Non-combustible

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

Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Specimen 1 Width Direction Full tests carried out in the Critical Radiant Flux 9.5 kW/m² Critical Radiant Flux 8.5 kW/m² Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|----------|----------|----------|------|
| Critical Radiant Flux (kW/m ²) | 8.5 | 8.1 | 7.5 | 8.0 |
| Smoke Development Rate (%.min) | 253 | 292 | 239 | 261 |

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 8.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 261 percent-minutes

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



ACCREDITED FOR

TECHNICAL

COMPETENCE

M. B. Webb Technical Manager

DATE: 8/7/2010



Measurement Science & Technology No. 15393 This document is issued in accordance with NATA's accreditation requirements.

APL Australia Pty Ltd 5 Carinish Rd, Oakleigh South Victoria 3167 Australia Telephone: 03 9543 1618 Facsimile: 03 9562 1818 Mobile: 0411 039 088 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

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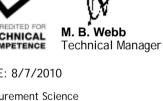


TEST REPORT No. 104126THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE
REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIAPAGE 2 of 2

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 | 157 | 159 | 228 | 413 | 537 | 1 | | | | | | | | | | | | |
| 2 | 220 | 221 | 328 | 391 | 488 | 579 | 1 | | | | | | | | | | | |
| 3 | 185 | 186 | 228 | 383 | 456 | 605 | / | | | | | | | | | | | |

| TESTS | SMOKE PRODUCT | RODUCTION BURNING CHARACTERISTICS | | | | | |
|---------------------------------|-------------------------------------|--------------------------------------|-----|---|----------------------------|-----------------------------------|--|
| Specimen | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) | | Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) | NATA | |
| Initial Test: Length (10070033) | 41 | | 171 | 190 | 945 | | |
| Specimen Tests: Width | | | | | | TECHNICAL COMPETENCE | |
| 1 (10070034) | 61 | | 253 | 240 | 1,860 | DATE: 8/7/20 | |
| 2 (10070035) | 72 | | 292 | 260 | 965 | Measurement Sc | |
| 3 (10070039) | 63 | | 239 | 290 | 775 | & Technology N This document | |
| Mean | 65 | | 261 | 263 | 1,200 | accordance wit accreditation r | |



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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 5579 6 February 2012

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