TEST REPORT No. 171850

LABORATORY REF: P171850

CUSTOMER REFERENCE

# GALWAY

Sample description as provided by customer — Order No. 108424

Pile weight mass/unit area 50 oz/yd² — Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic Soft Back — Colour Fawn

Style Cut Pile Twist — Pile Height 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 C1.10 of the Building Code of Australia.

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date Jan 2017 — Test Date 30 Jan 2017

## ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP EXCELLAY.

The UNDERLAY used was DUNLOP EXCELLAY.

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 3.0 kW/m²
Specimen 1 Width Direction — Critical Radiant Flux 2.8 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 2.8 | 2.9 | 3.2 | 3.0 |
| Smoke Development Rate (%.min) | 348 | 341 | 298 | 329 |

*The values quoted below are as required by Specification C1.10 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 3.0 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 329 percent-minutes

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

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M. B. Webb
Technical Manager

DATE: 30 Jan 2017

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.



Clause 9 of AS/ISO 9239 Part 1

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 | 192 | 193 | 228 | 331 | 359 | 411 | 425 | 460 | 551 | 622 | 784 | 980 | / | | | | | |
| 2 | 183 | 185 | 219 | 329 | 389 | 428 | 493 | 502 | 618 | 756 | 945 | | | | | | | |
| 3 | 175 | 176 | 220 | 285 | 341 | 401 | 464 | 493 | 586 | 651 | 793 | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Length** | 540 | 993 | 71 | 329 |
| Specimen Tests: **Width** | | | | |
| 1 | 560 | 985 | 69 | 348 |
| 2 | 546 | 1025 | 71 | 341 |
| 3 | 524 | 889 | 68 | 298 |
| Mean | 543 | 966 | 69 | 329 |

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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 Clause 9 of AS/ISO 9239 Part 1
2004 04 09 5536 30 January 2017

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