Att MS Sue Schultz
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**TEST REPORT No. 114546B**

**LABORATORY REF: P114546B**

CUSTOMER REFERENCE

# LASSEN PEAK

**Sample description as provided by customer** Order No. **17331**

Mass/unit area 26 oz/yd² / g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Weathered Acorn**

Style **Multi Level Loop** 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 C1.10a 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 **January 2011** Test Date **11/2/2011**

## ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

**The UNDERLAY used was DUNLOP FOAM "CARPET MATE".**

**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 Critical Radiant Flux **2.7** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **2.4** kW/m²
Full tests carried out in the **Width** Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 2.4 | 2.4 | 2.8 | 2.5 |
| Smoke Development Rate (%.min) | 91 | 148 | 143 | 127 |

*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 2.5 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 127 percent-minutes

OBSERVATIONS **The samples shrunk away frm the heat source then ignited**

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**M. B. Webb**
Technical Manager

DATE: 11/2/2011

Measurement Science & Technology No. 15393
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**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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## 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 | 163 | 164 | 186 | 213 | 260 | 338 | 451 | 573 | 751 | 1027 | 1209 | 1431 | / | | | | | |
| 2 | 185 | 186 | 221 | 245 | 283 | 337 | 439 | 517 | 630 | 819 | 1162 | 1589 | / | | | | | |
| 3 | 170 | 171 | 203 | 228 | 294 | 355 | 483 | 607 | 762 | 830 | 1192 | 1495 | / | | | | | |

**TESTS**

| Specimen | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) |
|---|---|---|---|---|
| Initial Test: **Length** | 46 | 205 | 565 | 1,279 |
| Specimen Tests: **Width** | | | | |
| 1 | 20 | 91 | 600 | 1,763 |
| 2 | 49 | 148 | 600 | 1,756 |
| 3 | 49 | 143 | 560 | 1,499 |
| Mean | 39 | 127 | 587 | 1,673 |

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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 19999 25 April 2015

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