

CUSTOMER REFERENCE
AVENUE 25 oz SDN

Sample description as provided by customer
Mass/unit area **25 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **KG**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Fawn Shades**
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 **Sep 2015**

Test Date **30 Sep 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPEZY.

The UNDERLAY used was **AIRSTEP STEPEZY**.

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 **2.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.2 kW/m²**
Full tests carried out in the **Width** Direction


| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|--|------------|------------|------------|------------|
| Critical Radiant Flux (kW/m ²) | 2.2 | 2.4 | 2.2 | 2.3 |
| Smoke Development Rate (%.min) | 167 | 172 | 183 | 174 |

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 2.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 174 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 30 Sep 2015

Performance & Approvals
Testing No. 15393
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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 | 250 | 251 | 283 | 309 | 341 | 503 | 589 | 633 | 772 | 1095 | 1600 | 2297 | 3170 | / | | | | |
| 2 | 198 | 200 | 239 | 261 | 297 | 346 | 410 | 604 | 949 | 1235 | 1872 | 2324 | / | | | | | |
| 3 | 245 | 246 | 291 | 329 | 366 | 499 | 597 | 703 | 1026 | 1483 | 2241 | 2963 | 3518 | | | | | |

| TESTS | BURNING CHARACTERISTICS | | SMOKE PRODUCTION | | |
|------------------------------|-------------------------|---|----------------------|-------------------------------|--------------------------------|
| | Specimen | Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) |
| Initial Test: Length | | 590 | 3,106 | 47 | 171 |
| Specimen Tests: Width | | | | | |
| 1 | | 620 | 3,598 | 50 | 167 |
| 2 | | 590 | 2,958 | 48 | 172 |
| 3 | | 620 | 3,620 | 47 | 183 |
| Mean | | 610 | 3,392 | 48 | 174 |



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**TECHNICAL
COMPETENCE**



M. B. Webb
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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

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