

CUSTOMER REFERENCE
ROYAL PLUSH 30

Sample description as provided by customer
Mass/unit area **30 oz/yd²**
Construction Details **Woven** Secondary Backing **Synthetic**
Style **Cut Pile**

Order No. **25330**
Pile Fibre Content **100% RESISITIAN SOLUTION DYED NYLON**
Colour **Cream**
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 **Nov 2015**

Test Date **18 Nov 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART.

The UNDERLAY used was **AIRSTEP STEPSMART**.

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


| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|--|------------|------------|------------|------------|
| Critical Radiant Flux (kW/m ²) | 2.7 | 2.3 | 2.2 | 2.4 |
| Smoke Development Rate (%.min) | 253 | 254 | 282 | 263 |

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 2.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 263 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 18 Nov 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 | 240 | 241 | 264 | 279 | 291 | 317 | 368 | 430 | 537 | 965 | 1290 | 1947 | / | | | | | |
| 2 | 185 | 186 | 209 | 285 | 319 | 367 | 388 | 421 | 473 | 492 | 526 | 1257 | 1763 | / | | | | |
| 3 | 191 | 192 | 210 | 266 | 287 | 332 | 395 | 435 | 499 | 547 | 847 | 1259 | 684 | | | | | |

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: Width | 560 | 1,853 | 68 | 238 |
| Specimen Tests: Length | | | | |
| 1 | 560 | 1,941 | 67 | 253 |
| 2 | 615 | 1,818 | 62 | 254 |
| 3 | 625 | 2,099 | 66 | 282 |
| Mean | 600 | 1,953 | 65 | 263 |



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 Clause 9 of AS/ISO 9239 Part 1

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