

CUSTOMER REFERENCE
STONE / BARK

Sample description as provided by customer
 Pile weight mass/unit area **1020 g/m²**
 Construction Details **Tufted** Secondary Backing **Tile**
 Style **Multi Level Sheared Loop**

Order No. **PO107537**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Various**
 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 **Jun 2016**

Test Date **09 Jul 2016**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** adhesive.

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 **6.9 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **6.6 kW/m²**
 Full tests carried out in the **Width** Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|--|------------|------------|------------|------------|
| Critical Radiant Flux (kW/m ²) | 6.6 | 6.9 | 6.4 | 6.7 |
| Smoke Development Rate (%.min) | 118 | 126 | 149 | 131 |

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 6.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 131 percent-minutes

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



M. B. Webb
 Technical Manager

DATE: 09 Jul 2016

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 | 358 | 359 | 444 | 498 | 897 | 1578 | 2326 | / | | | | | | | | | | |
| 2 | 328 | 330 | 451 | 506 | 759 | 1826 | | | | | | | | | | | | |
| 3 | 331 | 333 | 492 | 586 | 802 | 1793 | 2460 | | | | | | | | | | | |

| 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 | | 307 | 2,256 | 25 | 129 |
| Specimen Tests: Width | | | | | |
| 1 | | 321 | 2,405 | 20 | 118 |
| 2 | | 308 | 2,195 | 22 | 126 |
| 3 | | 331 | 2,973 | 26 | 149 |
| Mean | | 320 | 2,524 | 23 | 131 |



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**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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