

CUSTOMER REFERENCE
CHARLESTON

Sample description as provided by customer
LVT Dimensions 182.88 mm x 1219.2 mm x 2 mm Thickness Colour Tested Hedgewood

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 **17 Jun 2015** Test Date **17 Jun 2015**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **As Recommended by m/s BELGOTEX FLOORCOVERINGS** 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 **10.5 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **10.7 kW/m²**
 Full tests carried out in the **Length** Direction


| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|--|-------------|-------------|-------------|-------------|
| Critical Radiant Flux (kW/m ²) | 10.5 | 10.5 | 10.2 | 10.4 |
| Smoke Development Rate (%.min) | 51 | 42 | 59 | 51 |

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 10.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 51 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 17 Jun 2015

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



PAGE 1 of 2
 Clause 9 of AS/ISO 9239 Part 1
 The values on Page 2 have no relevance to the Code.
 1004 04 09

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 | 164 | 165 | 280 | / | | | | | | | | | | | | | | |
| 2 | 171 | 172 | 256 | / | | | | | | | | | | | | | | |
| 3 | 184 | 185 | 280 | / | | | | | | | | | | | | | | |

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 | 110 | 728 | 28 | 48 |
| Specimen Tests: Length | | | | |
| 1 | 120 | 759 | 26 | 51 |
| 2 | 120 | 764 | 24 | 42 |
| 3 | 140 | 1,090 | 37 | 59 |
| Mean | 127 | 871 | 29 | 51 |



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 17 Jun 2015

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

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 1857 17 June 2015