

CUSTOMER REFERENCE

WICANDERS CORKCOMFORT with WRT FINISH

Sample description as provided by customer

The Samples Tested Were Modular Thickness 10.5 mm A Floating Product Combining Multi-Layers of Cork with a High Density Fibreboard Core WRT FINISH APPLIED

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 **June 2012**

Test Date **16 Jul 2012**

ASSEMBLY SYSTEM: LOOSE LAID (Details Below).

Floor covering loose laid over the substrate without underlay or adhesive. Clause 5.3 of AS/ISO 9239 ALLOWS THIS TO REPRESENT AN ADHESIVE ONLY SYSTEM.

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 **4.5 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.0 kW/m²**
Full tests carried out in the **Width** Direction



| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|--|------------|------------|------------|------------|
| Critical Radiant Flux (kW/m ²) | 3.0 | 4.5 | 3.7 | 3.7 |
| Smoke Development Rate (%.min) | 25 | 33 | 24 | 27 |

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 **3.7 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **27** percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a relatively short distance.**

| | | |
|--|--|---|
|  ACCREDITED FOR TECHNICAL COMPETENCE | M. B. Webb Technical Manager |  |
| | DATE: 16 Jul 2012 | |
| | Measurement Science & Technology No. 15393 Accredited for compliance with ISO/IEC 17025. | |

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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.

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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 | 130 | 132 | 141 | 148 | 163 | 194 | 218 | 303 | 368 | 406 | 510 | / | | | | | | |
| 2 | 122 | 125 | 136 | 145 | 151 | 160 | 177 | 220 | 278 | / | | | | | | | | |
| 3 | 127 | 129 | 142 | 152 | 165 | 187 | 219 | 304 | 377 | 451 | / | | | | | | | |

TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

| Specimen | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) | Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) |
|------------------------------|-------------------------------|--------------------------------|---|----------------------|
| Initial Test: Length | 32 | 24 | 430 | 721 |
| Specimen Tests: Width | | | | |
| 1 | 40 | 25 | 540 | 720 |
| 2 | 48 | 33 | 430 | 720 |
| 3 | 26 | 24 | 480 | 720 |
| Mean | 38 | 27 | 483 | 720 |



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Technical Manager

DATE: 16 Jul 2012

Measurement Science
& Technology 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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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