**m/s Ontera Modular Carpets Pty**
PO BOX 555,Wentworthville NSW 2145
Attn: Mr Stewart Murphy

**TEST REPORT No. 169977F**

**LABORATORY REF: P169977F**

CUSTOMER REFERENCE

# MANAAKI

**Sample description as provided by customer**
Mass/unit area **18** oz/yd² **610** g/m²
Construction Details **Tufted** Secondary Backing MAXIMA™HARD BACK
Style **Loop Pile**
**The Samples Tested Were Modular Carpet With MAXIMA™ HARD BACK**

Order No. **67000430627**
Pile Fibre Content **100% NYLON**
Colour **Charcoal/Grey**
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 **16 Jun 2016**

## ASSEMBLY SYSTEM: DIRECT STICK Roberts 656.

**The floor covering was directly stuck to the substrate using Roberts 656 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 **7.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **6.4** kW/m²
Full tests carried out in the **Width** Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 6.4 | 9.2 | 6.2 | 7.3 |
| Smoke Development Rate (%.min) | 92 | 89 | 73 | 85 |

*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 7.3 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 85 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

**M. B. Webb**
Technical Manager

DATE: 16 Jun 2016

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 | 273 | 275 | 355 | 450 | 629 | 1215 | 1368 | / | | | | | | | | | | |
| 2 | 378 | 380 | 447 | 521 | / | | | | | | | | | | | | | |
| 3 | 245 | 247 | 383 | 548 | 668 | 1365 | 1647 | / | | | | | | | | | | |

**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** | 260 | 1,457 | 27 | 67 |
| Specimen Tests: **Width** | | | | |
| 1 | 330 | 1,896 | 30 | 92 |
| 2 | 200 | 827 | 33 | 89 |
| 3 | 340 | 2,347 | 27 | 73 |
| **Mean** | 290 | 1,690 | 30 | 85 |

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

**M. B. Webb**
Technical Manager

DATE: 16 Jun 2016

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 11394 17 April 2017