m/s Ontera Modular Carpets Pty Ltd,
PO BOX 555 Wentworthville NSW 2145
Attn Mr Trevor Nguyen

TEST REPORT No. 148203

LABORATORY REF: P148203

CUSTOMER REFERENCE

CONSEQUENCE 2.0 - SEQUEL

Sample description as provided by customer Order No. **TN**
Mass/unit area **27** oz/yd² Pile Fibre Content **100% NYLON**
Construction Details **Tufted** Secondary Backing **Polyurethane** Colour **Grey Shades**
Style **Loop Pile** Pile Height **/** mm
The Samples Tested Were Modular Carpet with Polyurethane Foam Backing

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 **June 2014** Test Date **11 Jul 2014**

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 4.6kW/m²
Specimen 1 Width Direction Critical Radiant Flux **5.2** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	4.6	4.6	4.7	4.6
Smoke Development Rate (%.min)	427	403	412	414

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 4.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 414 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: 11/7/2014

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	216	218	266	293	331	384	400	464	559		/							
2	187	188	291	333	401	436	455	469	516		/							
3	230	232	265	316	346	402	432	483	719	/								

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**	**390**	**803**	**83**	**390**
Specimen Tests: **Length**				
1	430	955	83	427
2	430	878	88	403
3	420	824	82	412
Mean	427	886	84	414

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 11 Jul 2014

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 11223 11 July 2014

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319