

Attn: Mr Chris Wynn
m/s Mohawk Australia Pty Ltd
3/505 BALMAIN Rd LILYFIELD NSW 2040

LABORATORY TEST REPORT
P172584

542 g/m² COLORSTRAND SDN TILE

Sample description as provided by customer

Pile weight mass/unit area 16 oz/yd² 542 g/m²

Construction Details Tufted Secondary Backing Tile EcoFlex ICT

Style Multi Level Loop

The Samples Tested Were Modular Carpet with EcoFlex ICT Backing

Order No. CW

Pile Fibre Content 100% Colorstrand SDN

Colour Grey Shades

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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date Dec 2017

Test Date 23 Dec 2017

Total Thickness mm

Assembly System: DIRECT STICK (Details Below).

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

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: Length Direction Critical Radiant Flux 5.9 kW/m²
Width Direction Critical Radiant Flux 5.5 kW/m²

Specimen Tests conducted in the Width Direction				
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	5.5	5.3	5.9	5.6
Smoke Development Rate (%.min)	1,267	223	201	564

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

Mean Critical Radiant Flux 5.6 kW/m²

Mean Smoke Development Rate 564 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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.

All information required for compliance with the BCA and NCC is given on this test report page.

Page 1 of 2

(v5-0, 11/03/2017)



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 23 Dec 2017


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

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	161	162	202	265	303	340	414	701	/									
2	221	222	268	295	369	409	510	633	/									
3	208	209	244	279	296	464	639	983	/									

TESTS

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		360	904	61	207			
Specimen Tests: Width								
1		380	921	1,103	1,267			
2		390	747	66	223			
3		360	991	57	201			
Mean		377	886	409	564			



M. B. Webb
Technical Manager

DATE: 23 Dec 2017

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

2004 04 09 8797 23 December 2017