

CUSTOMER REFERENCE  
**SOUTHERN ANALOG 15oz**

Sample description as provided by customer  
Mass/unit area **15 oz/yd<sup>2</sup> 509 g/m<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Multi Level Loop**  
**The Samples Tested Were Modular Carpet WITH POLYURETHANE CUSHION BACKING**

Order No. **SM**  
Pile Fibre Content **100% SOLUTION DYED NYLON**  
Colour **Various**  
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 **Oct 2015**

Test Date **20 Oct 2015**

**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 **5.6 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **5.4 kW/m<sup>2</sup>**  
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>5.4</b>	<b>3.5</b>	<b>4.5</b>	<b>4.5</b>
Smoke Development Rate (%.min)	<b>366</b>	<b>339</b>	<b>315</b>	<b>340</b>

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 4.5 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 340 percent-minutes**


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



**M. B. Webb**  
Technical Manager

DATE: 20 Oct 2015

Performance & Approvals  
Testing No. 15393  
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Clause 9 of AS/ISO 9239 Part 1

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	209	210	242	341	393	524	650	1032	/									
2	185	186	276	336	404	544	678	1192	1419	2305	/							
3	226	228	338	367	397	466	741	1183	1718	/								

**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: <b>Length</b>	365	1,452	58	329
Specimen Tests: <b>Width</b>				
1	380	1,387	65	366
2	490	2,887	65	339
3	430	2,130	57	315
<b>Mean</b>	433	2,135	62	340



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



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*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

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