

CUSTOMER REFERENCE

ESSENCE MAZE

Sample description as provided by customer

Mass/unit area **580 g/m²**

Order No. **GS**
Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Modified Bitumen**

Colour **Green**

Style **Loop Pile**

Pile Height **3.0 mm**

The Samples Tested Were Modular Carpet

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.

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 **December 2012**

Test Date **12 Jan 2013**

ASSEMBLY SYSTEM: DIRECT STICK Mapei Eco Tack.

The floor covering was directly stuck to the substrate using Mapei Eco Tack 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 **8.8 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **8.5 kW/m²**
Full tests carried out in the **Width** Direction



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.5	8.5	8.8	8.6
Smoke Development Rate (%.min)	191	204	203	199

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 **8.6 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **199 percent-minutes**

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 12 Jan 2013	
	Measurement Science & Technology No. 15393 Accredited for compliance with ISO/IEC 17025.	

PAGE 1 of 2

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.

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	202	204	287	427	480	/												
2	204	206	316	367	449	/												
3	201	202	275	332	371	/												

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		220	775	53	178
Specimen Tests: Width					
1		230	933	49	191
2		230	765	56	204
3		220	736	60	203
Mean		227	811	55	199



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 12 Jan 2013

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.
 2004 04 09 4523 13 January 2013