

# MARITZA

Sample description as provided by customer

Order No. **PO 29520**

Pile weight mass/unit area **36 oz/yd<sup>2</sup>**

Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted Secondary Backing Synthetic**

Colour **Silver**

Style **LCL Pattern**

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 **Mar 2018**

Test Date **30 Mar 2018**

Total Thickness **10.5 mm**

## Assembly: OVER UNDERLAY AIRSTEP STEPSMART.

The UNDERLAY used was **AIRSTEP STEPSMART**.

**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 **2.4 kW/m<sup>2</sup>**  
**Width** Direction Critical Radiant Flux **2.3 kW/m<sup>2</sup>**

	Specimen Tests conducted in the <b>Width</b> Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	2.3	2.4	2.5	2.4
Smoke Development Rate (%.min)	240	268	249	252

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

**Mean Smoke Development Rate 252 %.min**

Observations: **The samples shrunk away from the heat source, ignited and burnt.**

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.**

 <b>NATA</b> <small>ACCREDITED FOR TECHNICAL COMPETENCE</small>	<b>M. B. Webb</b> Technical Manager	
	DATE: 30 Mar 2018	
	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	166	167	201	238	275	304	330	366	419	450	535	824	1414	/				
2	141	142	187	206	278	292	315	361	398	499	746	1090	/					
3	141	142	159	229	277	319	342	377	429	568	782	1238						

**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	600	1,392	62	252
Specimen Tests: Width				
1	610	1,417	66	240
2	600	1,601	66	268
3	580	1,526	64	249
Mean	597	1,515	65	252



ACCREDITED FOR  
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COMPETENCE**

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Technical Manager

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