

CUSTOMER REFERENCE
BARITONE

Sample description as provided by customer
Mass/unit area **28 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Multi Level Loop**

Order No. **PO 26159**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Brown 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 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 **Apr 2016**

Test Date **20 May 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP 7 mm FOAM.

The UNDERLAY used was **AIRSTEP 7 mm FOAM**.

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 **2.9 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.9 kW/m²**
Full tests carried out in the **Length** Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.9	2.7	2.3	2.6
Smoke Development Rate (%.min)	93	200	151	148

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 2.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 148 percent-minutes

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 20 May 2016	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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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	171	172	177	222	299	325	340	503	548	722	1162	/						
2	142	143	152	164	214	238	282	318	377	559	741	1376	/					
3	163	165	179	205	284	347	371	506	635	739	1002	1240	1482					

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		540	1,951	32	165
Specimen Tests: Length					
1		540	1,919	31	93
2		560	1,613	45	200
3		613	1,594	41	151
Mean		571	1,709	39	148



NATA
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COMPETENCE**



M. B. Webb
Technical Manager

DATE: 20 May 2016

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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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