

CUSTOMER REFERENCE
BAMBOO 14 mm

Sample description as provided by customer Order No. QY
Bamboo Flooring Dimensions 135 mm X 1850 mm with a Thickness of 14 mm 1 Layer UV ANTI-SCRATCH TOP COATING

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 2016**

Test Date **09 Nov 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY Premium Acoustic Underlay.

The UNDERLAY used was **Premium Acoustic Underlay.**

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 **5.8 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **5.7 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.7	5.3	5.7	5.6
Smoke Development Rate (%.min)	5	3	4	4

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 5.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 4 percent-minutes


OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**



M. B. Webb
Technical Manager

DATE: 09 Nov 2016

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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	222	223	337	434	586	862	936	1134	/									
2	227	228	357	490	611	876	1012	1226	/									
3	225	226	362	501	643	702	815	1095										

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		365	1,183	2	5
Specimen Tests: Width					
1		370	1,264	2	5
2		390	1,797	3	3
3		370	1,193	2	4
Mean		377	1,399	2	4



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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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