

## FUJIAN WAVE

Sample description as provided by customer  
 Pile weight mass/unit area 1,000 g/m<sup>2</sup>  
 Construction Details Tufted Secondary Backing Jute  
 Style Multi Level Loop

Order No.  
 Pile Fibre Content 100% WOOL  
 Colour Fawn  
 Pile Height 5/3 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 Jun 2017 Test Date 18 Jul 2017 Total Thickness mm

### Assembly System: OVER UNDERLAY AIRSTEP STEPEZY.

The UNDERLAY used was AIRSTEP STEPEZY.

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 6.6 kW/m<sup>2</sup>  
 Width Direction Critical Radiant Flux 5.2 kW/m<sup>2</sup>

Specimen Tests conducted in the Width Direction				
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	5.2	5.8	5.1	5.4
Smoke Development Rate (%.min)	53	58	57	56

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

Mean Smoke Development Rate **56** %.min

Observations: The samples singed, ignited and burnt a relatively short distance.

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.

 <small>ANALYTICAL TESTING</small> <b>TECHNICAL</b> <small>COMPETENCE</small>	<b>M. B. Webb</b> Technical Manager	
	DATE: 18 Jul 2017	
	Performance & Approvals Accreditation No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

**LABORATORY TEST REPORT**  
**P172202**


The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015. The laboratory does not allow the use of this page of the report without the use of page 1.

**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	131	132	139	149	202	236	280	306	/									
2	135	136	156	169	183	215	352	608	/									
3	146	147	150	152	193	222	255	289	/									

**TESTS**

Specimen	Initial Test: Length	BURNING CHARACTERISTICS		SMOKE PRODUCTION		
		Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	
1		330	765	38	32	53
2		365	786	34	34	58
3		400	822	36	36	57
Mean		387	807	34	34	56



ACCREDITED FOR  
**TECHNICAL COMPETENCE**

**M. B. Webb**  
Technical Manager

DATE: 18 Jul 2017

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