

CUSTOMER REFERENCE

BOLON Woven Vinyl Folded Yarn Construction

Sample description as provided by customer

Bolon Woven Vinyl Folded Yarn Construction (BKB/Now/Ethnic/Botanic designs) Weight 3.05kgm² Thickness 2.8mm

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.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **May 2012**

Test Date **12 Jun 2012**

ASSEMBLY SYSTEM: DIRECT STICK Mapei ECO 350 Acrylic .

The floor covering was directly stuck to the substrate using Mapei ECO 350 Acrylic 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 **7.3 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **7.3 kW/m²**
Full tests carried out in the **Length** Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.3	7.9	6.9	7.4
Smoke Development Rate (%.min)	198	174	194	189

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 7.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 189 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 Jun 2012	
	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	140	142	181	198	227	274	/											
2	128	130	144	166	211	292	/											
3	125	127	134	141	201	261	327	/										

TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Width	76	193	290	725
Specimen Tests: Length				
1	78	198	290	728
2	81	174	260	738
3	83	194	310	721
Mean	81	189	287	729





M. B. Webb
Technical Manager

ACCREDITED FOR
TECHNICAL COMPETENCE

DATE: 12 Jun 2012

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 3549 15 June 2012