

CUSTOMER REFERENCE

HIGHLINE LOOP E 16 AB Backing

Sample description as provided by customer

Mass/unit area **850 g/m²**
 Construction Details Secondary Backing **Synthetic**
 Style **Loop Pile**

Order No. **KU**
 Pile Fibre Content **100% NYLON**
 Colour **Stripe**
 Pile Height / mm

The Samples had "AB Backing "

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 **16 May 2012**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **roberts 95** 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 **8.1 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **7.7 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	7.7	7.5	7.3	7.5
Smoke Development Rate (%.min)	122	115	129	122

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 7.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 122 percent-minutes

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



M. B. Webb
 Technical Manager

DATE: 16 May 2012

Measurement Science & Technology No. 15393
 Accredited for compliance with ISO/IEC 17025.



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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.

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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	201	204	261	343	454	595	/											
2	275	278	364	441	569	781	/											
3	209	212	309	364	465	598	/											

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: Length		33	97	250	865
Specimen Tests: Width					
1		42	122	270	966
2		41	115	280	1,218
3		41	129	290	1,182
Mean		41	122	280	1,122



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COMPETENCE**



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Technical Manager

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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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
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