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TEST REPORT No. 093018
 LABORATORY REF: P093018

CUSTOMER REFERENCE
CRITICS CHOICE

Sample description as provided by customer

Order No. 14081

Mass/unit area 24 oz/yd² g/m² Pile Fibre Content 100% INVISTA Solution Dyed Nylon

Construction Details Tufted Secondary Backing Synthetic

Colour Smokey Beige

Style CUT PILE

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 C1.10a 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 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. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date 19/12/2008

Test Date 17/1/2009

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was BRIDGESTONE PRIME.

Substrate : Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux 3.1 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 3.3 kW/m²
 Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	3.1	3.2	3.1	3.1
Smoke Development Rate (%.min)	446	435	449	443

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.

MEAN CRITICAL RADIANT FLUX 3.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 443 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited

 ACCREDITED FOR TECHNICAL COMPETENCE	Authorised Signatory M. B. Webb
	Technical Manager <i>EL</i>
	DATE 17/1/2009
	Measurement Science and Technology No. 15393

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Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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Pyrometer temperature
 On calibration 576.6 °C
 Start of test run 575.2
 During test run 577.1

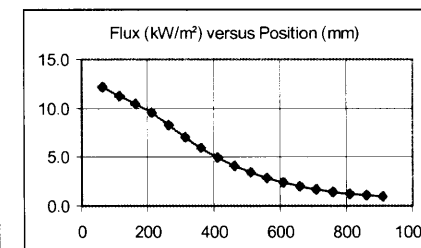
Chamber temperature
 On calibration 99.2 °C
 Start of test run 98.3
 During test run 100.2

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.
 The Chamber temperature should be ±10° of calibration temperature
 The Holding Tension on Specimen Frame was 2 Nm

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	192	197	270	320	391	453	558	906	1245	1821	2083	/						
2	189	195	253	350	428	509	583	1021	1359	1952	2283							
3	176	183	249	367	467	522	615	909	1257	1894	2183	/						

FLUX CALIBRATION: FLX08001



TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Width	64	442	519	2,385	4.2
Specimen Tests: Length					
1	57	446	536	2,274	4.1
2	63	435	527	2,453	4.2
3	62	449	536	2,569	3.9
Mean	61	443	534	2,432	4.1

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 Technology No. 15393

Authorised Signatory
M B Webb
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 Date 17/1/2009