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 **19/12/008**   Test Date **17/1/2009**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was **BRIDGESTONE STANDARD BLACK RUBBER.**

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 2.3 kW/m²
               Specimen 1 Width Direction   Critical Radiant Flux 2.4 kW/m²

               Full tests carried out in the   Width Direction

SPECIMEN	• Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	2.4	2.5	2.8	2.6
Smoke Development Rate (%.min)	342	352	392	362

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 2.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 362 %.min

OBSERVATIONS **The samples slowly shrunk way from the heat source then ignited**
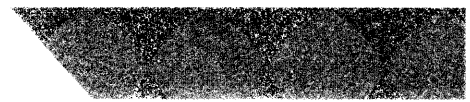
Authorised Signatory **M. B. Webb**

Technical Manager

DATE   17/1/2009

Measurement Science and
Technology No. 15393

PAGE 1 of 2
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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THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE   **PAGE 2 of 2**
REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

Pyrometer temperature
On calibration   576.6°C
Start of test run   577.2
During test run   578.1

Chamber temperature
On calibration   99.2°C
Start of test run   100.2
During test run   100.5

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

FLUX CALIBRATION: FLX08001

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	213	219	283	342	383	449	714	1093	1826	2495	3015	3675	4210	/				
2	215	221	265	329	391	452	658	983	1648	2349	2853	3517	4058					
3	218	222	245	298	325	429	547	991	1350	1808	2384	2869	/					

Flux (kW/m²) versus Position (mm)
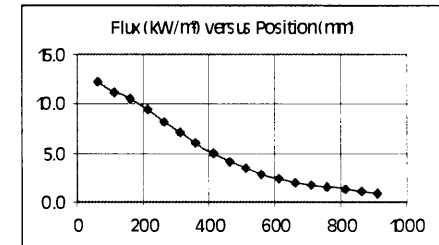
TESTS   SMOKE PRODUCTION   BURNING CHARACTERISTICS

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: **Length**	56	358	620	3,751	4.0
Specimen Tests: **Width**					
1	51	342	610	4,206	4.9
2	49	352	597	3,651	4.2
3	57	392	560	2,871	4.1
Mean	52	362	589	3,576	4.5

NATA

ACCREDITED FOR
**TECHNICAL
COMPETENCE**

Measurement Science and
Technology No. 15393

Authorised Signatory
M B Webb
Date **17/1/2009**

PAGE 2 of 2
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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