

CUSTOMER REFERENCE
NEO 9990

Sample description as provided by customer

Mass/unit area **700 g/m²** Pile Fibre Content **100% BCF NYLON SPACE DYED & SOLUTION DYED**
Construction Details **Tufted** Secondary Backing **MODIFIED BITUMEN** Colour **Grey/Blue**
Style **LOOP PILE** Pile Height **3 mm**

Order No. **KAS**

THE SAMPLES TESTED WERE MODULAR CARPETS

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 **October 2011** Test Date **2/11/2011**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **FULLY ADHERED USING MAPEI ECO TACK** 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 **8.6 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **8.3 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.3	8.5	8.4	8.4
Smoke Development Rate (%.min)	160	158	159	159

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 **8.4 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **159 percent-minutes**


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



M. B. Webb
Technical Manager

DATE: 2/11/2011

Measurement Science & Technology No. 15393
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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.

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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	223	224	336	469	578	/												
2	238	239	322	534	643	/												
3	242	243	319	475	599													

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		38	165	226	956
Specimen Tests: Width					
1		39	160	240	980
2		41	158	230	908
3		39	159	237	953
Mean		40	159	236	947



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**TECHNICAL
COMPETENCE**



M. B. Webb
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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