

CUSTOMER REFERENCE
TANDUS CHORD

Sample description as provided by customer

Mass/unit area **3708** TOTAL WEIGHT g/m²

Construction Details **Tufted** Secondary Backing **ECOBOND**

Style **Patterned Loop**

The Samples Tested Were Modular Carpet

Order No. **TA16000042**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **Various**

Pile Height **4.5** 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 C1.10 of the Building Code of Australia.

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Mar 2016**

Test Date **20 Mar 2016**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Fully Adhered Tarkett Tile Carpet** 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 **4.8** kW/m²

Specimen 1 Width Direction Critical Radiant Flux **4.7** kW/m²

Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	4.7	5.2	4.9	4.9
Smoke Development Rate (%.min)	191	118	164	158

The values quoted below are as required by Specification C1.10 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 4.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 158 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 20 Mar 2016

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Clause 9 of AS/ISO 9239 Part 1


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	227	228	349	502	637	893	1264	1524	1802	/								
2	309	311	332	428	583	928	1277	1593	/									
3	217	219	389	505	633	842	1093	1256	1551	2101	/							

TESTS	BURNING CHARACTERISTICS		SMOKE PRODUCTION		
	Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: Length		411	2,096	29	184
Specimen Tests: Width					
1		420	2,144	30	191
2		390	2,047	26	118
3		410	2,107	30	164
Mean		407	2,099	29	158



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**TECHNICAL
COMPETENCE**



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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 Clause 9 of AS/ISO 9239 Part 1
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