

"ZIP IT" (All Denim Collection Designs)

Sample description as provided by customer
 Pile weight mass/unit area **18 oz/yd² 610 g/m²**
 Construction Details **Tufted Secondary Backing Tile EcoFLEX NXT**
 Style **Multi Level Loop**
 The Samples Tested Were **Modular Carpet PLANK**

Order No. **CL**
 Pile Fibre Content **100% Duracolor NYLON**
 Colour **Charcoal**
 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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Dec 2017** Test Date **02 Dec 2017** Total Thickness **mm**

Assembly System: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** adhesive.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **9.4 kW/m²**
Width Direction Critical Radiant Flux **9.4 kW/m²**

	Specimen Tests conducted in the Length Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	9.4	9.2	9.2	9.3
Smoke Development Rate (%.min)	88	108	107	101

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

Mean Critical Radiant Flux 9.3 kW/m²

Mean Smoke Development Rate 101 %.min

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

AS.ISO 9239.1 Clause 9(o) 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.

All information required for compliance with the BCA and NCC is given on this test report page.



M. B. Webb
 Technical Manager

DATE: 02 Dec 2017

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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	257	258	367	438	483	/												
2	278	279	315	358	403	/												
3	246	247	337	359	380	/												

TESTS

Specimen	BURNING CHARACTERISTICS			SMOKE PRODUCTION		
	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)		
Initial Test: Width	210	776	44	109		
Specimen Tests: Length						
1	210	737	34	88		
2	220	730	38	108		
3	220	728	41	107		
Mean	217	732	38	101		



ACCREDITED FOR
TECHNICAL COMPETENCE



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