

"BALTIMORE"

Sample description as provided by customer

Pile weight mass/unit area **1,200 g/m²**
Construction Details **Tufted Secondary Backing Synthetic**
Style **Patterned Cut Pile**

Order No. **MW**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Brown/ Gold**
Pile Height **7 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 **Jul 2017** Test Date **22 Jul 2017** Total Thickness **mm**

Assembly System: OVER UNDERLAY **DUNLOP EXCELLAY**

The UNDERLAY used was **DUNLOP EXCELLAY**.

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 **2.4 kW/m²**
Width Direction Critical Radiant Flux **2.0 kW/m²**

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	2.0	2.4	2.2	2.2
Smoke Development Rate (%.min)	327	338	407	357

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 **2.2** kW/m²

Mean Smoke Development Rate **357** %.min

Observations: **The samples singed, ignited and burnt a relatively 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: 22 Jul 2017

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