

CUSTOMER REFERENCE

MERCURY T101

Sample description as provided by customer

Mass/unit area 16 oz/yd² / g/m²

Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing TILE BACKING

Style LOOP

Order No. 36815

Colour GREY

Pile Height / mm

The samples tested were Modular Carpet

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.

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 15/3/2010

Test Date 26/3/2010

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using A WATER BASED SURFACE CONTACT adhesive.

Substrate : Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 9.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 9.3 kW/m²
Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	9.0	9.0	9.3	9.1
Smoke Development Rate (%.min)	204	209	139	184

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 9.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 184 %.min

OBSERVATIONS The samples shrunk away from the heat source, ignited, then burnt a very short distance.



M. B. Webb
Technical Manager

DATE: 26/3/2010

Measurement Science &
Technology No. 15393

This document is issued in accordance with
NATA's accreditation requirements.



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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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