

## +ProTile Carpet Tile Fire Report

### +ProTile BACKED BY EcoTX™

#### FIRE REGULATIONS FLOORING AND FLOOR COVERINGS

Project Floors - ProTile - EcoTX Range of carpet tiles complies for use in all areas.

Flooring includes flexible finishes such as carpets, vinyl sheet or tiles, and finished or unfinished floor surfaces. Fire properties of floor surfaces are evaluated using ISO 9239 - 1:2010 (floor radiant panel test). Minimum requirements in all buildings, excludes household units, are a critical radiant flux (CRF) of not less than 1.2 kW/m<sup>2</sup>.

A CRF of not less than 2.2 kW/m<sup>2</sup> is required in the following locations:

- Unsprinklered firecells with an occupant load more than 50 people.
- Sleeping areas in sprinklered buildings where care or detention is provided.
- All exitways (except as follows).

A CRF of not less than 4.5 kW/m<sup>2</sup> is required in the following location:

- Sleeping areas and exitways in unsprinklered buildings where care or detention is provided.

Project Floors' - ProTile - EcoTX Range of carpet tile flooring has been tested to ISO 9239 . 1:2010 and achieved a mean of 8.6kW/m<sup>2</sup>.

#### C3 – FIRE AFFECTING AREAS BEYOND FIRE SOURCE (continued)

PROVISIONS (b) floor surfaces materials in the following areas of buildings must meet the performance criteria specified below:

#### REACTION-TO-FIRE PERFORMANCE COMPLIANCE

AREA OF BUILDING	MINIMUM CRITICAL RADIANT FLUX WHEN TESTED TO ISO 9239-1: 2010		
	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system	EcoTX complies?
Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m <sup>2</sup>	2.2 kW/m <sup>2</sup>	✓ 8.6 kW/m <sup>2</sup>
Exitways in all other buildings	2.2 kW/m <sup>2</sup>	2.2 kW/m <sup>2</sup>	✓ 8.6 kW/m <sup>2</sup>
Firecells accommodating more than 50 persons	2.2 kW/m <sup>2</sup>	1.2 kW/m <sup>2</sup>	✓ 8.6 kW/m <sup>2</sup>
Exitways in all other buildings	1.2 kW/m <sup>2</sup>	1.2 kW/m <sup>2</sup>	✓ 8.6 kW/m <sup>2</sup>

#### CLASSES OF REACTION-TO-FIRE PERFORMANCE

Project Floors - ProTile - EcoTX Range of carpet tiles complies to the following classes:

A2FL S1, BFL S1, CFL S1, DFL S1

As the Radiant Flux mean is 8.6kW/m<sup>2</sup> and the Smoke value mean is 121%<sub>m2</sub>

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing  
A.B.N. 43 006 014 106  
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

CLIENT : QEP AUSTRALIA PTY LTD  
2 DUNLOPILLO DRIVE  
DANDENONG VIC 3175

TEST NUMBER : 7-573170-CV  
ISSUE DATE : 11/06/2010  
PRINT DATE : 11/06/2010

SAMPLE DESCRIPTION Clients Ref: "Protile Business Class Collection"  
Loop pile carpet tiles  
Colour: Various  
Approx pile height: 3.5 to 4.5mm

Material Specification:  
Nominal composition: 100% solution dyed 6,6  
Nominal total pile mass: 644 to 712g/mn2  
Nominal backing: Exotex, non woven Terylene

ASISO 9239.1-2003 Reaction to Fire Tests for Floorings  
Part 1 Determination of the Burning Behaviour  
using a Radiant Heat Source

Date of sample arrival: 05/05/2010  
Date tested: 09/06/2010  
Results: CHF (Critical Heat Flux / Critical Radiant Flux)

	1	2	3	Mean	
Length	8.7	8.0	9.1	8.6	kW/m2
Width	9.1	-	-	-	kW/m2

Smoke Value

Length	128	110	126	121	% min
Width	87	-	-	-	% min

Observations: melting, blistering, penetration of flame through to substrate

Note: Sample was conditioned in accordance with BSEN 13238-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

Each specimen was adhered to a substrate of 6mm thick reinforced cement board using Roberts 656 adhesive and clamped prior to testing

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

181567

2

( END OF REPORT )

PAGE 1

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:  
-Chemical Testing of Textiles & Related Products : Accreditation No. 983  
-Mechanical Testing of Textiles & Related Products : Accreditation No. 985  
-Heat & Temperature Measurement : Accreditation No. 1356

This document is issued in accordance with NATA's accreditation requirements. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



*[Signature]*

*[Signature]*  
MICHAEL A. JACKSON B.Sc (Hons)  
MANAGING DIRECTOR