

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Product Testing  
A.B.N. 43 006 014 106

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## TEST REPORT

CLIENT : KENBROCK FLOORING (AUST) P/L  
63 WATERVIEW CLOSE  
DANDENONG SOUTH VIC 3175

TEST NUMBER : 7-595091-CV  
ISSUE DATE : 06/12/2013  
PRINT DATE : 09/12/2013

SAMPLE DESCRIPTION Clients Ref: "Smartdrop/Easyfit/Urbanfit"  
Vinyl Flooring with sound barrier backing and a  
Dura coat (PU) surface  
Colour: Brown timber pattern (Colorado Hickory)  
Approx thickness: 5mm

Material Specification:  
Nominal composition: Fibre glass reinforced recycled PVC  
Approx total mass: 8.4kg/m<sup>2</sup>

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

Date of sample arrival: 02/12/2013

Date tested: 06/12/2013

Results: CHF (Critical Heat Flux / Critical Radiant Flux)

	1	2	3	Mean	
Non directional	9.9	9.0	8.6	9.2	kW/m <sup>2</sup>

	Smoke Value				
Non directional	200	203	200	201	% min

Observations: melting, blistering

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

No directional properties, three specimens tested only

Each specimen was adhered to a substrate of 6mm fibre 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

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( END OF REPORT )

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Accredited for compliance with ISO/IEC 17025

- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

: Accreditation No. 983  
: Accreditation No. 985  
: Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd make 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 by the Managing Director of AWTA Ltd.



0204/7/13

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR

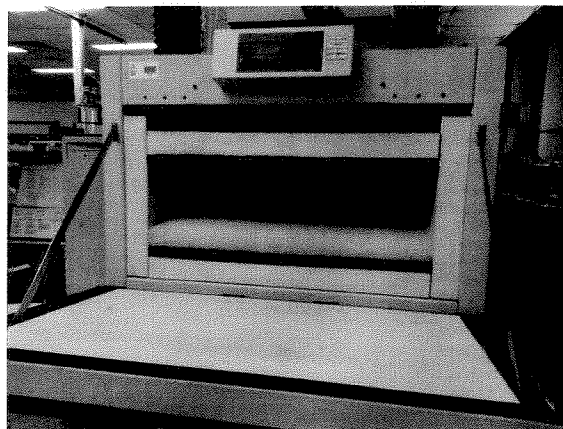
# THERMAL RESISTANCE TESTING

## Background

AWTA Product Testing is pleased to announce that the laboratory has achieved **NATA accreditation** to conduct testing to ASTM C518 and AS/NZS 4859.1 using a LaserComp Fox600 Heat Flow Meter Apparatus. This unit is widely considered to be one of the most appropriate, precise and accurate instruments available.

The Fox600 was designed in accordance with the requirements of ASTM C518 "Standard Test Method for Steady-state Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus" and is applicable to those standards quoted in the AWTA Product Testing Laboratory's scope.

The process which has been extensive and extremely thorough culminated in accreditation being granted on Friday 22<sup>nd</sup> November, 2013.



## NATA Certification

AWTA Product Testing may carry out thermal testing according to the following scope:

### *Thermal Conductivity*

Measurement of thermal conductivity of samples at temperatures ranging from 5 to 65<sup>o</sup>C with a thermal resistance of not less than 0.01 m<sup>2</sup>KW<sup>-1</sup> with least uncertainties of measurement of 8.4% in the range 0.0084 to 0.85 Wm<sup>-1</sup>K<sup>-1</sup> and 0.0084 to 8.40 m<sup>2</sup>PaW<sup>-1</sup>, by the methods of ISO 11092 (Textiles) and ASTM F1868.

Measurement of thermal conductivity of samples in the range of 0.01 - 0.2 W/mK at thicknesses of 2 to 200mm with least uncertainties of measurement of 3.9% by the methods of:

- **ASTM C518** Steady State Thermal Transmission Properties by means of Heat Flow Meter Apparatus
- **ASTM C653** Determination of Thermal Resistance of Low Density Blanket Type Mineral Fibre Insulation
- **AS/NZS 4859.1** Appendix D - Determination of Thermal Resistance of Low-Density Fibrous Insulation using **ASTM C653** with variations

Measurement of physical dimensions of thermal insulation by the methods of:

- **ASTM C167** Thickness and Density of Blanket or Batt Thermal Insulations

Tests and examinations for compliance with **AS/NZS 4859.1** Materials for the thermal insulation of buildings, Clause 2.3.2 for the following material types: Formed shapes, Formed in situ, Low density fibrous materials, and Reflective membranes.

Tests and examinations for compliance with **AS/NZS 4859.1** Materials for the thermal insulation of buildings, Section 3 Packaging and Labelling.

## Fees

- AUD \$635.00 (+GST if applicable) for ASTM C518 and AUD \$1,540.00 (+GST if applicable) for AS/NZS4859.1
- Sample sizes are 2 specimens each 610mm x 610mm for ASTM C518 and 27m<sup>2</sup> or typically 3 unopened commercial packs for AS/NZS4859.1

## Contact Us

For more information contact **AWTA Product Testing** on: +61 (0)3 9371 2400 or [producttesting@awta.com.au](mailto:producttesting@awta.com.au)

