AWTA PRODUCT TESTING

A Division of Australian Wool Testing Authority Limited

A.B.N. 43 006 014 106
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Group Number Assessment

(in accordance with AS 5637.1-2015)

Number: 7-585339-CV
Issue Date: 06/09/2016

This is to confirm that the product as described below has been tested by AWTA Product Testing.

Testing was performed in accordance with AS/NZS 3837 - 1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

AWTA Product Testing report number: 7-585339-CV

Date of Test: 08/06/2012

Test Sponsor

The Laminex Group
PO Box 720
Wendouree Vic 3355

Sponsor Product Reference: “Laminex Alfresco Compact Laminate – 6mm”

Sponsor Product Description: Laminate
Colour: Black speckled colour, Carbide finish
Nominal Composition: Multiple layers of paper impregnated with formaldehyde resin fused under heat and pressure Thickness: 6mm Density: 8.5kg/m2

Product Group Number Classification: Group 3
Average Specific Extinction Area: 97.4m^2/kg

Chris Campbell
Client Relations Manager

It should be borne in mind that the opinions expressed in this letter are based on a limited number of observations made on a single sample and may be subject to alteration if more detailed testing was to be carried out. We recommend that you have further testing conducted if the information above is critical to your decisions on this product.

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TEST REPORT

CLIENT : THE LAMINEX GROUP
PO BOX 720
WENDOUREE VIC 3355

TEST NUMBER : 7-585339-CV
ISSUE DATE : 08/06/2012
PRINT DATE : 08/06/2012
ORDER NUMBER : 1820

SAMPLE DESCRIPTION Sample 5450
Laminex Alfresco Compact Laminate
Black speckled colour, carbidge finish
Multiple layers of paper impregnated with formaldehyde Resin fused under heat and pressure
Thickness: 6mm, Mass 8.5 kg/m2

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter

Results:-

	Specimen 1	2	3	Mean	
Average Heat Release Rate	105.1	100.3	106.6	104.0	kW/m2
Average Specific extinction area	83.2	108.6	100.3	97.4	m2/kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation: Horizontal

	Specimen 1	2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	58	56	54	56	s
Test duration	990	948	924	954	s

Heat release rate curve on the 9 attached sheets which form part of this report

Peak heat release after ignition	192.3	213.1	203.5	203.0	kW/m2
Average heat at 60s	108.3	97.0	107.0	104.1	kW/m2
Release rate at 180s	116.6	109.9	113.7	113.4	kW/m2
After ignition at 300s	136.4	128.1	131.4	132.0	kW/m2
Total heat released	98.4	90.1	93.1	93.9	MJ/m2
Average effective heat of combustion	13.3	12.7	12.8	12.9	MJ/kg

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 ammended 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.

APPROVED SIGNATORY

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

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Initial thickness	6.0	6.0	6.0	6.0	mm
Initial mass	89.9	85.0	88.0	87.6	g
Mass remaining	29.8	27.4	28.5	28.6	g
Mass percentage pyrolysed	66.9	67.8	67.6	67.4	%
Mass loss	60.1	57.6	59.5	59.1	g
Average rate of mass loss	7.9	7.9	8.3	8.0	g/m2.s

The formulae given in the Building Code of Austalia have been shown to give inaccuracies in determination of Group Number for certain materials. Due to this AWTA Product Testing no long reports Group Numbers. The formulae for calculation of Group Number is available from the website of the Australian Building Codes Board. Group Number calculation based on the results described in this report can be undertaken at the clients discretion

Tests were conducted with a wire grid placed over the sample during testing
This was done to contain intumescing sample within the sample holder

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for the assessment of performance under real fire conditions

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

APPROVED SIGNATORY