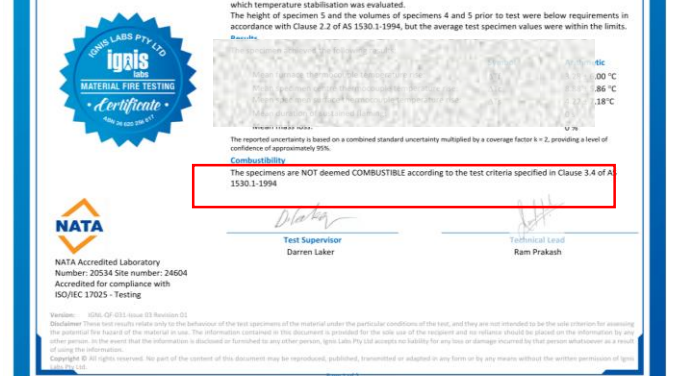



[illegible]



Property of FireMax group

Copies of original test results

SUMMARY OF TESTS SUBMITTED TO THE FIREMAX GROUP FOR ANALYSIS

Parent Beer	Unit Symbol	Symbol or expression	1	2	3	4	5
Atmospheric							

Contact us for certification copies

Property of FireMax group

Temperature	Surface temperature	Temperature	Temperature	Temperature	Temperature	Temperature
Test duration	t	min	30.60	25.62	25.07	27.38

Copies of original test results

Contact us for certification copies

Property of FireMax group

Copies of original test results

Contact us for certification copies



PROFESSIONAL FIRE
SAFETY TESTING

t: (02) 6111 2909 | ABN: 36 620 256 617
mail@ignislabs.com.au | www.ignislabs.com.au
3 Cooper Place, Queanbeyan, NSW 2620
PO Box 5174 Braddon ACT 2612

Australian Standard 1530 Methods
for fire tests on building materials,
components and structures, Part 3:
Simultaneous Determination of
Ignitability, Flame Propagation,
Heat Release and Smoke Release

A10 STAR

PRODUCT EVALUATION
AND TESTING

IGNL-3061-03-02 IO1R02

Tested: 26.07.2019/26.08.2019
Issued: 21.10.2019



SPONSOR:

ADDRESS:

SAMPLE IDENTIFICATION:

TRADE NAME:

DESCRIPTION OF MATERIAL:

METHOD OF MOUNTING:

OBSERVATIONS:

TEST RESULTS:

Face tested External foil faces joined in the middle
Date tested 26.07.2019/26.08.2019

	Standard Error	mean	
Ignition time	0.0	16.57	min
Flame propagation time	N/A	N/A	
Heat Release integral	0.0	0.61	kJ/m ²
Smoke release, log d	0.482	-2.16	
Optical density (ignition)	0.0	0.0	
Optical density (non ignition)	0.0	0.0	
Number of specimens ignited		1	
Number of specimens tested		1	

Regulatory indices

Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Developed Index	1	Range 0-10

SUPPLEMENTARY
OBSERVATIONS:

Ignition is initiated by a pilot flame that is held near but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a piloted flame during the test.
Only one of the specimens ignited during the test. The following characteristics were observed for each of the specimens during the test:
Specimen 1: Bubbling of the foil at 150s followed by smoke at 249s
Specimen 2: Bubbling of the foil and smoke started at 204s
Specimen 3: Smoke started at 259s followed by ignition at 994s
Specimen 4: Bubbling of the foil at 110s followed by smoke at 382s



DOCUMENT REVISION HISTORY

Issue	Revision	Issue	Revision	Reviewed By
01	00 001	01	00 001	BHB
01	00	01	00	FW
01	01	01	01	FW
01	02	01	02	FW

SPONSOR

A10 Building Products Pty Ltd Trading as FireMax
37 Castle St, Blakehurst, NSW 2222

Test Technician

Herman Ramirez

SIGNATORY

Authorised by
Benjamin Hughes-Brown | FIREAUS CPENG NER APIC Engineer (PPE)(Aus)
Chartered Professional Engineer
CPENG (NSW Fire Safety & Health) 2300202, WREG 15498, BHB-CD-1875, CP-30304
Minesafety (LWNS), BEng (ITS), GradDipBusFire (LWNS), DipEngTech (ITS), DipEng (ICT)

CONTACT INFORMATION AND LOCATION OF TESTING

Ignis Labs Pty Ltd
t: (02) 6111 2909 | ABN: 36 620 256 617
mail@ignislabs.com.au | www.ignislabs.com.au
3 Cooper Place, Queanbeyan, NSW 2620
PO Box 5174 Braddon ACT 2612

Copyright ©

This document is the property of Ignis Labs Pty Ltd. It is not to be reproduced or used in any form without the written permission of Ignis Labs Pty Ltd.

The information contained in this document is provided for the sole use of the recipient and no reliance should be placed on the information by any other person. In the event that the information is disclosed or furnished to any other person, Ignis Labs Pty Ltd accepts no liability for any loss or damage incurred by that person whatsoever as a result of using the information.

Ignis Labs Pty Ltd

IGNL-3061-03-02 IO1R02 Ignis Labs Report 21102019

www.ignislabs.com.au

Page 2 of 8



1 TEST CALCULATIONS

Input					
Parameter	Specimen number	1	2	3	4
Ignition time	16.57	16.57	16.57	16.57	16.57
Flame Propagation time	N/A	N/A	N/A	N/A	N/A
Heat release integral	0.61	0.61	0.61	0.61	0.61
Optical density (ignition)	0.0	0.0	0.0	0.0	0.0
Optical density (non ignition)	0.0	0.0	0.0	0.0	0.0
Smoke release (ignition)	0.0	0.0	0.0	0.0	0.0
Smoke release (non ignition)	0.0	0.0	0.0	0.0	0.0
Calculation					
Parameter	Ignition time	16.57	16.57	16.57	16.57
Flame Propagation time	N/A	N/A	N/A	N/A	N/A
Heat release integral	0.61	0.61	0.61	0.61	0.61
Optical density (ignition)	0.0	0.0	0.0	0.0	0.0
Optical density (non ignition)	0.0	0.0	0.0	0.0	0.0
Smoke release	0.0	0.0	0.0	0.0	0.0
Result					
Indices					
Ignitability	0	0	0	0	0
Spread of Flame	0	0	0	0	0
Heat Evolved	0	0	0	0	0
Smoke Developed	1	1	1	1	1

Ignis Labs Pty Ltd

IGNL-3061-03-02 IO1R02 Ignis Labs Report 21102019

www.ignislabs.com.au

Page 4 of 8

Ignis Labs Pty Ltd

IGNL-3061-03-02 IO1R02 Ignis Labs Report 21102019

www.ignislabs.com.au

Page 3 of 8

2 TEST IMAGES

FIGURE 1:

SPECIMEN 1 BEFORE, DURING AND AFTER THE TEST

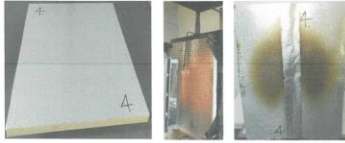


FIGURE 2:

SPECIMEN 2 BEFORE AND AFTER THE TEST



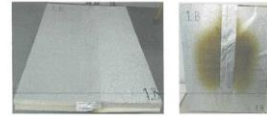
FIGURE 3:

SPECIMEN 3 BEFORE, DURING AND AFTER THE TEST



FIGURE 4:

SPECIMEN 4 BEFORE AND AFTER THE TEST



Property of FireMax group
Copies of original test results
Contact us for certification copies

3 APPLICATION OF TEST RESULTS

1.1 TEST LIMITATIONS

The results of this fire test may be used to directly assess the fire performance of the product under the particular conditions. The results only relate to the behaviour of the specimen at the location of the construction under the particular conditions of the test. They do not intend to be the sole criteria for assessing the potential fire performance of the element in use, nor do they necessarily reflect the actual behaviour in fires.

1.2 VARIATIONS FROM THE TESTED SPECIMEN

This report details the methods of construction, test conditions and the results obtained when the specific element of construction described herein was tested following the procedure.

1.3 UNCERTAINTY OF MEASUREMENT

Because of the nature of the fire and property testing and the consequent difficulty in quantifying the uncertainty of measurement of the hazard properties, it is not possible to provide a stated degree of accuracy of the result.

Property of FireMax group
Copies of original test results
Contact us for certification copies

Property of FireMax group
Copies of original test results
Contact us for certification copies

Ignis Labs Pty Ltd

Laboratory reference No: IGNL-3061-03-02

T: (02) 6111 2909

www.ignislabs.com.au

mail@ignislabs.com.au

3 Cooper Place Queanbeyan East NSW 2620

PO Box 5174 Braddon ACT 2612

ABN: 36 620 256 617

