

# CERTIFICATE

## Material Fire Test Certificate

IGNL-6067-07-05C I01 R01

DATE OF TEST 16.09.2022  
ISSUE DATE 07.02.2023  
EXPIRY DATE 06.02.2028

saveBOARD  
Exterior Wall and Roof Substrate

SPONSOR  
Upcycled Building Materials  
Australia Pty Ltd  
Level 1, 40 Albert Road  
South Melbourne, Victoria 3205

TEST BODY  
Ignis Labs Pty Ltd  
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3 Cooper Place  
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Test body is the test location

### Introduction

Ignis Labs undertook a test of the saveBOARD Exterior Wall and Roof Substrate. The testing was undertaken in accordance with AS/NZS 3837:1998. The group number was predicted in accordance with AS 5637.1:2015. This is a short form AS 5637.1:2015 report.

BCA requirements specify that the Group Number of a wall or ceiling lining shall be determined in accordance with AS 5637.1:2015. Clause 5.3.1 of AS 5637.1:2015 specifies that only materials for which there are correlations between AS/NZS 3837:1998 results and AS ISO 9705:2003 results shall be tested in accordance with AS/NZS 3837:1998 for the purpose of determining a Group Number. As such, Clause 5.3.3 of AS 5637.1:2015 specifies the suitable materials with permitted correlations, and it includes wood products.

### Product Description

The sponsor described the specimen as an external wall and ceiling substrate for residential and commercial applications. It is composed of composite packaging consisting of 70% wood fibres, 22% polyethylene, 3% cellulose, 3% aluminium, and 2% other materials. It has a nominal mass of 750 kg/m<sup>3</sup> and a nominal thickness of 10 mm. Its end use is as an exterior wall and roof substrate.

The received specimens were a compressed board material with one side of white facing and another side of brown facing. There were two distinct core materials provided by the sponsor. Specimens 1-3 had a multi-coloured core and a measured nominal density of approximately 1.00 g/cm<sup>3</sup> and specimens 4-6 had a predominantly brown coloured core and have a measured nominal density of approximately 0.82 g/cm<sup>3</sup>. The specimens had a measured nominal thickness of 10.14 mm. The specimens were tested with the white side facing up.

Ignis Labs was not responsible for the sampling stage. All specimens were sampled and fabricated by the test sponsor. The test results apply to the specimens as received.

AS 5637.1 Group Number: 3 | ASEA 125.27 m<sup>2</sup>/kg

### Specimen

The test specimen has characteristics are listed below

Average specimen thickness:	10.14 mm
Average specimen pre-test mass:	107.10 g (specimens 1-3) 83.13 g (specimens 4-6)
Specimen colour:	White

### Test Method

Six (6) specimens were tested in accordance with the requirements of AS/NZS 3837. Prior to the test, the specimens were conditioned at an ambient temperature of 23 ±2 °C and a relative humidity 50 ±5 %.

### Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Certificate IGNL-6067-07-05C I01R001 dated 11 October 2022.

### Notes

- The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.
- As per Section 9 (n) of AS 5637.1:2015, the determination of the group number was based on the AS/NZS 3837:1998 test.
- Clause A5.2(1)(e) of the BCA allows for evidence of suitability in relation to a report from a professional engineer that certifies that a material, product, form or construction or design fulfils specific requirements of the BCA, sets out the basis on which it is given and the extent to which relevant standards, specifications, rules, codes of practice or other publications have been relied upon to demonstrate it fulfils specific requirements of the BCA.
- This report is provided in accordance with BCA Clause A5.2(1)(e) as a report from a professional engineer. In accordance with BCA Clause A5.2(1)(b) it is demonstrated that the material and testing demonstrates compliance with the requirements of the BCA in accordance with AS 5637.1:2015 in determining the group number.



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Disclaimer These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use. 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.

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