CERTIFICATE

Material Fire Test Certificate

IGNL-8128-14-02C I01 R00

DATE OF TEST	27.06.2024 17.07.2024
ISSUE DATE	19.07.2024
EXPIRY DATE	18.07.2029

QuickBoard™ VJ

SPONSOR
Perma Composites
14 Garino Rise
Wangara WA 6065

TEST BODY
Ignis Labs Pty Ltd
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3 Cooper Place
Queanbeyan NSW 2620
Australia
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Test body is the test location

IGNIS LABS PTY LTD
ignis labs
MATERIAL FIRE TESTING
Certificate
ABN 36 620 256 617

Introduction

Ignis Labs undertook a test of the QuickBoard™ VJ provided by Perma Composites. 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 5.3.3 of AS 5637.1:2015 specifies the materials that are suitable for testing in accordance with AS/NZS 3837:1998 for the purpose of determining a Group Number. This list does not include rigid non-thermoplastic foams due to the uncertainty of results introduced with the melting or dimension change of the specimen. It was observed during testing that the test specimen, despite being a thermoplastic, did not melt or otherwise change dimensionally prior to ignition and exhibited a linear mass loss throughout. As such, it is considered that the results of AS/NZS 3837 testing are sufficient to determine the group number of this material as is the case for materials listed in Clause 5.3.3 of AS 5637.

Product Description

The sponsor described the test specimen as wall and ceiling lining board. It is composed of PVC. It has a nominal mass per unit area of 3 kg/m^2, and a nominal thickness of 9 mm. The sponsor described the colour as 'Arctic White' and its end use is as a wall and ceiling lining.

The received specimens were PVC panels consisting of two faces separated by perpendicular PVC material so as it had the appearance of corrugation. They were off-white in colour and had a bright white grained coating on one face. The white coated face had a 'V' shaped groove down the centre. The white coated face had a measured nominal thickness of 1.00 mm, and the uncoated off-white face had a measured nominal thickness of 0.67 mm. The core had a measured nominal web thickness of 0.54 mm, and the specimens had a total nominal thickness of 8.99 mm.

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: 1 | ASEA 496.64 m^2/kg

Specimen

The test specimen has characteristics are listed below

Average specimen thickness:	8.99 mm
Average specimen pre-test mass:	40.99 g
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 %. The specimens were tested with a retaining frame. The white coated face was exposed during testing.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Certificate IGNL-8128-07-02C I01R00 dated 19 July 2023.

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 A5G3(1)(e) of the BCA allows for evidence of suitability in relation to a report from a professional engineer that certifiers 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 A5G3(1)(e) as a report from a professional engineer. In accordance with BCA Clause A5G3(1)(b) it is demonstrated that the material and testing demonstrate compliance with the requirements of the BCA in accordance with AS 5637.1:2015 in determining the group number.

Laboratory Engineer
Tom Lewis

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