CERTIFICATE

Material Fire Test Certificate

IGNL-8187-06-01C I01R00

DATE OF TEST	23.05.2024
ISSUE DATE	26.02.2025
EXPIRY DATE	25.02.2030

EchoPanel 12 mm 80% Recycled

SPONSOR
Woven Image
37 – 39 Chard Road
Brookvale, NSW 2100

TEST BODY
Ignis Labs Pty Ltd
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620
Australia
www.ignislabs.com.au
(02) 6111 2909
Test body is the test location

NATA Accredited Laboratory
Number: 20534 Site number: 24604
Accredited for compliance with
ISO/IEC 17025 - Testing

Introduction

Ignis Labs undertook a test of EchoPanel 12 mm 80% Recycled. The testing was undertaken in accordance with AS ISO 9705-2003. The group number was assigned 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 4 of AS 5637.1:2015 specifies the group number assignment, determination, and the test method selection.

Product Description

The test sponsor described the specimen as a non-woven panel. It is composed of 100% PET, of which 80% is recycled. It has a nominal density of 2,400 g/m^2 and a nominal thickness of 12 mm. It is white in colour and its end use is as a wall and ceiling lining.

The received specimens were symmetrical white rigid insulation panels with a measured width of approximately 1200 mm and a measured length of approximately 2800 mm. They had a measured nominal thickness of 11.76 mm. At the request of the sponsor, the panels were fabricated to the dimensions suitable for the room test by Ignis Labs.

The panels were fixed to the test room using HB Fuller Max Bond Fast Grip adhesive applied in thin beads which were spaced approximately 200 mm apart across the width of unexposed face of each panel. The panels were installed vertically and allowed to cure for two days before testing.

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

AS 5637.1 Group Number: 1 | $SMOGRA_{RC}$ (in m^2s^{-2} x 1000): 13.23

Test Method

The testing was undertaken in accordance with the requirements of AS ISO 9705-2003 R2016 with the exception that heat flux at the floor was not measured. The temperature of the test area was 14.7 °C at the commencement of the test.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Report IGNL-8187-06-01R Test Report dated 30 October 2024.

Notes

1. 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.
2. As per Clause 4 of AS 5637.1:2015, the determination of the group number was based on the AS ISO 9705-2003 test.
3. 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.
4. 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

Chartered Professional Engineer
Benjamin Hughes-Brown
FIEAust CPEng NER APEC Engineer IntPE(Aus)
CPEng, NER (Fire Safety / Mech) 2590091, RPEQ11498, BDC-1875, PRE0000303, DEP0000317, PE0001872
MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)