

FI13647-01-2-C1

GROUP NUMBER CLASSIFICATION



This is to certify that BRANZ tested the specimen described below to determine group number classification and SMOGRA in accordance with AS ISO 9705:2003 (R2016) and group number classification and smoke production rate in accordance with ISO 9705:1993.

Test Sponsor

Metalcraft Insulated Panels Limited
139 Roscommon Road
Manukau
Auckland
New Zealand

Date of test

21 April 2021

Reference BRANZ Test Report

FI13647-01-2 – issued 2/05/2023

Test specimen as described by the client

Aspire Panel with Conqueror Core 100 mm, comprised of 38 kg/m³ 100 mm thick PIR foam core panel with Uroxsys 180 S panel adhesive-bonded white painted 0.59 mm thick steel skinned facings.

Group Number Classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The group number classification and SMOGRA_{RC} for the sample as described above are given in the table below.

Determination of Fire Hazard Properties

The specimen was deemed suitable for testing according to AS 5637.1:2015, and testing was performed according to AS ISO 9705:2003 (R2016) for group number classification as specified in the NCC Volume One Specification C1.10 Clause 4.

Group Number Classification in accordance with the New Zealand Building Code

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A. The classification for the sample as described above is given in the table below.

Building Code Document	Classification
NCC 2019 Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	Group 1 The SMOGRA was 3.3 m ² /s ² x 1000 and therefore within the 100 m ² /s ² x 1000 limit
NZBC Verification Method C/VM2 Appendix A	Group Number 1-S Average smoke production rate was 1.1 m ² /s and therefore within the 5 m ² /s limit

Issued by

J. J. Ham
Fire Team Logistics Coordinator
BRANZ

Reviewed and authorised by

L. F. Hersche
Fire Testing Engineer
BRANZ

Regulatory authorities are advised to examine test report FI13647-01-2 before approving any product.



All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation

Issue Date
2/05/2023

Expiry Date
6/05/2026

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