

FI14228-01-1-C1

GROUP NUMBER CLASSIFICATION



This is to certify that the specimen described below was tested by BRANZ for determination of Group Number Classification, Smoke Production Rate and SMOGRA_{RC} in accordance with AS ISO 9705:2003 (R2016) and ISO 9705:1993.

Test Sponsors

Metalcraft Insulated Panels Limited
139 Roscommon Road
Manukau
Auckland
New Zealand

Date of test:

15 September 2021

Reference BRANZ Test Report:

FI14228-01-1 – issued 26/10/2021

Test specimen as described by the client:

Thermopanel EPS 100 mm

A nominally 12 kg/m² 100 mm thick EPS cored sandwich panel with Uroxsys glued 0.59 mm thick painted Colorsteel steel skins to front and rear faces.

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 is given in the table below.

Determination of Fire Hazard Properties

The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with AS ISO 9705:2003 (R2016) for the purposes of Group Number classification as specified in the NCC Volume One Specification C1.10 Clause 4. This test comprised three walls and the ceiling lined with the test specimen.

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	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	1-S
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The SMOGRA _{RC} was 1.4 m ² /s ² x 1000 and therefore within the 100 m ² /s ² x 1000 limit

Issued by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by

S. Whatham
Fire Testing Engineer
BRANZ



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

Issue Date

26/10/2021

Expiry Date

26/10/2026

Regulatory authorities are advised to examine test reports before approving any product.