

# FI12948-002

## GROUP CLASSIFICATION NUMBER



This is to certify that the specimen described below was tested by BRANZ for determination of 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

16 September 2020

### Reference BRANZ Test Report

FI12948-001 – issued 12 October 2020

### Test specimen as described by the client

The product submitted by the client for testing was identified by the client as SU PIR panel with Metecno core for wall covering and ceiling panels. Nominal thickness 100 mm, and weight 17.8 kg/m<sup>2</sup>.

### Group Number Classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number Classification SMOGRA<sub>RC</sub> for the sample as described above is given in the table below.

### Determination of Fire Hazard Properties

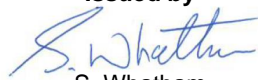
The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with AS ISO 9705 – 2003 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.

### 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.

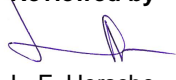
Building Code Document	Group Number Classification
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The SMOGRA was 10.5 m <sup>2</sup> /s <sup>2</sup> x 1000 and therefore within the 100 m <sup>2</sup> /s <sup>2</sup> x 1000 limit
NZBC Verification Method C/VM2 Appendix A	1-S Average Smoke Production Rate was 1.9 m <sup>2</sup> /s and therefore within the 5 m <sup>2</sup> /s limit

### Issued by

  
S. Whatham  
Fire Testing Engineer  
BRANZ

**Issue Date**  
12 October 2020

### Reviewed by

  
L. F. Hersche  
Fire Testing Engineer  
IANZ Approved Signatory

**Expiry Date**  
12 October 2025

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



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