FH16267-01-1-C1
GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested by BRANZ for determination of Group Number Classification and Average Specific Extinction Area in accordance with ISO 5660-1:2015 and ISO 5660:2002 Parts 1 and 2

Test Sponsor

Health Based Building Ltd
1062 Colombo Street
Edgeware, Christchurch 8014
New Zealand

Date of tests

10th and 23rd June 2022

Reference BRANZ Test Report

FH16267-01-1 – 1 July 2022

Test specimens as described by the client

Magnum Board

Nominally 9 mm thick, comprising a magnesium oxide based wall lining board with fibreglass scrim and smooth sanded front face.

Specimen Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)	Colour	Indicative Group Number
FH16267-1-50-1	95.5	9.1	1049	White	1-S
FH16267-1-50-2	96.2	9.1	1057	White	1-S
FH16267-1-50-3	96.0	9.1	1055	White	1-S

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.

Group Number Classification in accordance with NCC Australia

Calculations were carried out according to AS 5637.1:2015. The Group Number Classification and Average Smoke Extinction Area for the sample as described above is given in the table below.

Determination of Fire Hazard Properties

The specimens were deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.

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 average specific extinction area was **less** than the 250 m2/kg limit

Issued by

J. R. Stallinger
Associate Fire Testing Engineer
BRANZ

Reviewed by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Issue Date
1 July 2022

Expiry Date
1 July 2027

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