

FH14377-01-1-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 AS/NZS 3837:1998 and ISO 5660:2002 Parts 1 and 2.

Test Sponsor

Knauf Gypsum Pty Ltd
3 Thackeray Street,
Camellia, NSW, 2142
Australia

Date of tests

19 November 2021 and 16 February 2022

Reference BRANZ Test Report

FH14377-01-1 – 29 March 2022

Test specimens as described by the client - Stratopanel, a continuous perforated plasterboard (4 – 23% open area) consisting of a gypsum core sandwiched between two layers of heavy-duty paper with black acoustic veil adhered to the unexposed face.

Specimen ID	Mass (g)	Thickness (mm)	Apparent Density (kg/m ³)	Open Area (%)	Colour
FH14377-1-50-1	90.2	12.6	716	9.9	Grey
FH14377-1-50-2	91.3	12.6	725	9.9	Grey
FH14377-1-50-3	85.0	12.6	675	9.9	Grey
FH14377-2-50-1	90.2	12.6	716	23	Grey
FH14377-3-50-1	92.1	12.6	731	4	Grey

Group Number Classification in accordance with the New Zealand Building Code and NCC Australia

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A and AS 5637.1:2015.

The classification 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/NZS 3837 and ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.


Discussion – Perforated Patterns

The highest and lowest open surface area samples were tested to determine the worse performing pattern.


Perforated sample of 9.9% open area performed worse due to increased combustible content of the paper facing. It is considered that Stratopanel perforated panel ranging between 4% - 23% open surface area would achieve equivalent group number performance.

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 m ² /kg limit

Issued by


L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by


J. R. Stallinger
Fire Testing Engineer
BRANZ

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



Issue Date

29 March 2022

Expiry Date

29 March 2027

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