

# FH14104-01-1-C1 ISSUE 1

## 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 Parts 1 and 2 and AS/NZS 3837.

### Test Sponsor

Knauf Gypsum Pty Ltd  
17-47 Turner Street  
Port Melbourne, VIC 3207  
Australia

### Date of tests

23 July 2021, 30 September 2021, 4 May 2022

### Reference BRANZ Test Report

FH14104-01-1 – 12 May 2022

### Test specimens as described by the client

Knauf Mars Healthcare High NRC/CAC, Mars Healthcare, Mars Clean Room, Impressions High NRC, Impressions High NRC/CAC and Impressions White, all of which are a white painted, wet-formed mineral fibre ceiling panel.

Specimen Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	Colour	Indicative Group Number (ISO)
FH14104-2-50-1	63.4	26.5	239	White	1-S
FH14104-2-50-2	63.7	26	245	White	1-S
FH14104-2-50-3	61.9	26	238	White	1-S
FH14104-1-50-1	50.6	18.5	274	White	1-S
FH14104-3-50-1	50.7	18.3	277	White	1-S
FH14104-4-50-1	45.6	18.5	247	White	1-S
FH14104-5-50-1	69.9	19.7	355	White	1-S
FH14104-7-50-1	41.7	15.6	267	White	1-S

Note: Shaded rows show samples tested in full herein.

### 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.

### Discussion

No significant variations were detected in the indicative testing of Mars Healthcare High NRC/CAC, Mars Healthcare, Mars Clean Room, Impressions High NRC, Impressions High NRC/CAC and Impressions White. Each sample was designated the same classification, as shown 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 <b>less</b> than the 250 m <sup>2</sup> /kg limit

### Issued by

  
J. R. Stallinger  
Associate Fire Testing  
Engineer  
BRANZ

**Issue Date**  
12 May 2022

### Reviewed by

  
L. F. Hersche  
Fire Testing Engineer  
IANZ Approved Signatory

**Expiry Date**  
12 May 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