

# FH 5855-001-C1 ISSUE 2

## 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

Armstrong Ceiling Solutions (Australia) Pty Ltd  
Unit 4, 1 Basalt Road  
Pemulwuy, NSW 2145  
Australia

### Date of tests

8 December 2015 and 28 July 2021

### Reference BRANZ Test Report

FH 5855-001 ISSUE 2 – 31 August 2021

### Test specimens as described by the client

**Armstrong Metalworks V-P500 Acoustical Baffles** comprised of a perforated folded metal acoustical ceiling tile with glass wool insulation baffle and white powder-coated finish.

Specimen ID	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	Indicative Group Number
FH5855-1-50-1	162.5	31.5	516	1
FH5855-1-50-2	171.4	30.6	560	
FH5855-1-50-3	163.3	30.6	534	
FH14210-1-50-1	14.4	25.3	57	1

Shaded row – indicative test of composite specimen core

### 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 specimen was 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>more</b> than the 250 m <sup>2</sup> /kg limit

### Issued by

L. F. Hersche  
Fire Testing Engineer  
IANZ Approved Signatory

### Reviewed by

S. Whatham  
Fire Testing Engineer  
BRANZ

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

### Issue Date

31 August 2021

### Expiry Date

31 August 2026