

# FH6154 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 Part1 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

11 April and 7 June 2017

### Reference BRANZ Test Report

FH6154 Issue 2 – 11 March 2020

### Test specimens as described by the client

MetalWorks Ceiling Panels with Micro-Perforated face and white powder coated finish. Panels have a Soundtex fleece backing (approx. 0.4 mm thick) applied to back of panel.

Specimen Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	Colour
FH6154-1-50-3	107.9	16.6	650	White
FH6154-1-50-4	107.8	16.6	649	White
FH6154-1-50-5	108.9	16.7	652	White
FH6154-2-50-1	78.8	17	464	Black

Note: Shaded row – single indicative test of back face, measurements includes substrate

### 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 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


Testing was performed in accordance with ISO 5660 Parts 1 and 2, for NZBC application. The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with AS/NZS 3837 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

  
L. F. Hersche  
Fire Testing Engineer  
BRANZ

### Reviewed by

  
P. N. Whiting  
Senior Fire Safety Engineer  
IANZ Approved Signatory

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

11 March 2020

### Expiry Date

14 July 2022