

# FH06339-01-2-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 Parts 1 and 2.

### Test Sponsor

Australian Mineral Fibre (AMF) Pty Ltd  
75 Long Street  
Smithfield  
NSW 2164  
Australia

### Date of tests

8 May, 15 May, and 19 July 2018

### Reference BRANZ Test Report

FH06339-01-2 – 17 November 2022

### Test specimens as described by the client

#### **AMF Thermatex Ceiling Tiles**

Mineral fibre ceiling tiles in types Alpha Black, Thermofon, Feinstratos Micro, Acoustic Medical, Aquatec, Mercure, dB Acoustic, and Silence.

Specimen Reference	Product Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	Colour
FH6339-1-50-1	Alpha Black	33.1	19.2	172	Black
FH6339-2-50-1	Thermofon	28.2	15.0	188	White
FH6339-3-50-1	Feinstratos Micro	38.2	15.2	251	White
FH6339-4-50-1	Acoustic Medical	42.7	18.8	227	White
FH6339-5-50-1	Aquatec	53.2	18.9	282	White
FH6339-6-50-1	Mercure	35.5	14.6	243	White
FH6339-7-50-1	dB Acoustic	104.4	30.3	345	White
FH6339-8-50-1	Silence	106.9	42.3	253	White

### Discussion

#### **Indicative testing**

No significant variations were detected in the indicative testing of AMF Thermatex mineral fibre ceiling tiles "Alpha Black", "Thermofon", "Feinstratos Micro", "Acoustic Medical", "Aquatec", "Mercure", "dB Acoustic", and "Silence". Each indicative sample tested was designated a Group 1-S classification. Thermatex ceiling tiles which maintain the following parameters of equivalency, are deemed to achieve equivalent group number classification.

#### **Perforations**

AMF Thermatex ceiling tile types "Star", "Pinhole", "Laguna" and "Feinstratos Micro" vary from tested "Classic" range of tiles in perforation patterns only. Thermatex tiles "Star", "Pinhole", "Laguna" and "Feinstratos Micro" are deemed to achieve equivalent group number classification within the parameters of equivalency.

#### **Thickness**

AMF Thermatex ceiling tile types "Acoustic" and "Alpha" vary from the tested "Acoustic" range of tiles in density only. Thermatex "Acoustic" and "Alpha" tiles are deemed to achieve equivalent group number classification within the parameters of equivalency.

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Parameters of equivalency				
Product type	Product reference	Colour	Nominal thickness (mm)	Nominal density (kg/m <sup>3</sup> )
Classic / Classic Complete Range - Painted	Mercure	White	15 – 19	≥300
	Star*			
	Feinstratos Micro*			
	Pinhole*			
	Laguna*			
Acoustic / Medical Range with HYGENA® - Fleece Surface	Thermofon	White	15 - 43	≥160
	Alpha*			
	Acoustic			
	Silence			
	Aquatec			
Acoustic Range - Coloured Fleece Surface	Thermofon	Black	15 – 19	≥150
	Alpha*			

Note: \*product variation as detailed in Discussion.

### 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>less</b> than the 250 m <sup>2</sup> /kg limit

#### Issued by

  
Julia Ham  
Fire Team Logistics Coordinator  
BRANZ

**Issue Date**  
17 November 2022

#### Reviewed by

  
Lukas Hersche  
Fire Testing Engineer  
BRANZ

**Expiry Date**  
31 March 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