

FH 5159-TT C1 ISSUE 2

GROUP NUMBER CLASSIFICATION



This is to certify that the specimens described below were tested by BRANZ in accordance with AS/NZS 3837:1998 and ISO 5660:2002 Parts 1 and 2 for determination of Group Number Classification and Average Specific Extinction Area.

Test Sponsor

Muros International Limited
Suite 9, 349 Remuera Road
Remuera
Auckland 1050
New Zealand

Date of tests

26 July 2013
2 July 2020

Reference BRANZ Test Report

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Test specimens as described by the client

Muros Concrete (FR) wall panel and Muros Brick wall panel, both are decorative fibreglass-based panels comprising of a base of natural and mineral pigments and mixed with polyester resin and fibreglass.

Specimen Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m ³)	Date of Test	Indicative Group Number
FH5159-FR-50-1	93.2	6.0	1553	26/7/2013	3
FH5159-FR-50-2	87.2	5.0	1744	26/7/2013	3
FH5159-FR-50-3	97.8	6.0	1630	26/7/2013	3
FH12944-1-50-1	45.7	4.2	1080	2/7/2020	3

Shaded row – samples used to determine group number.

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 AS 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	3
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	3 The average specific extinction area was greater than the 250 m ² /kg limit

Issued by


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BRANZ

Reviewed by


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IANZ Approved Signatory

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



Issue Date

29 March 2021

Expiry Date

29 March 2026

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