FH 5753-01-3-C1
GROUP NUMBER CLASSIFICATION

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

Test Sponsor

Armstrong Ceiling Solutions Pty Ltd
75 Long Street
Smithfield
NSW 2164
Australia

Date of tests

14 and 16 April 2014
21 November 2019
25 July 2024

Reference BRANZ Test Report

FH 5753-01-3 – 7 August 2024

Test specimens as described by the client

Armgyp panels

A nominally 10 mm plasterboard vinyl faced tile (90 PV10). Tests were conducted on white and black variants.

Specimen ID	Mean Values			Colour	Date of Test
	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)		
FH5714-1-50-1, 2, 3*	69.3*	9.2*	750*	White	April 2015
FH12049-1-50-1	66.4	9.2	721.7	White	November 2019
FH18712-1-50-1,2,3*	57.6*	9.2*	629*	Black	July 2024

*Mean values for replicate specimens

Discussion

No significant variations were detected in the revalidation testing of sample FH12049-1-50-1. Further testing would not be expected to lead to an alteration of classification. Full ISO 5660 replicate testing was carried out on Armgyp black as it displayed higher peak and total heat release rates in comparison with the white variants. All Armgyp samples tested achieved the same Group number classification.

Group Number Classification in accordance with the New Zealand Building Code and NCC Australia

The specimens were deemed suitable for testing and calculations were carried out in accordance with NZBC Verification Method C/VM2 Appendix A and AS 5637.1:2015. Classification for the sample as described above is given in the table below.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Amendment 7 Appendix A	1-S
NCC 2022 Volume One Specification 7 Clause S7C4 determined in accordance with AS 5637.1:2015	1 The average specific extinction area was **less** than the 250 m2/kg limit

Issued by

L. M. Grant
Associate Fire Testing Engineer
BRANZ

Issue Date

7 August 2024

Reviewed by

L. Q. Greive
Fire Testing Engineer
BRANZ

Authorised by

L. F. Hersche
Fire Testing 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