FH16466-01-2-C1
GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested in accordance with ISO 5660 by BRANZ for determination of Group Number classification.

Test Sponsor

Armstrong Ceiling Solutions (Australia) Pty Ltd
75 Long Street
Smithfield, New South Wales 2164
Australia

Date of tests

18th August,30th September 2022 & 20th September 2023

Reference BRANZ Test Report

FH16466-01-2 – 11 October 2023

Test specimens as described by the client: Armstrong Ultima and Armstrong Bioguard Acoustic – nominally 19 mm thick acoustic ceiling panels consist of a mineral fibre substrate, with a white painted glass wool scrim face.

Product ID	Specimen ID	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)
Ultima	FH16466-1-50-1, 2, 3	56.6*	19.3*	294*
Bioguard Acoustic	FH16466-2-50-1	54.9	19.3	285
Ultima	FH18185-1-50-1	51.9	19.1	272
Bioguard Acoustic	FH18185-2-50-1	52.7	19.1	276

* Mean values for three replicate test samples.

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

The specimens were deemed suitable for testing and calculations 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	Classification
NZBC Verification Method C/VM2 Appendix A	Group Number 1-S
NCC 2022 Volume One Specification S7C4 determined in accordance with AS 5637.1: 2015	Group 1 The average specific extinction area was **less** than the 250 m2/kg limit

Issued by

L. M. Grant
Associate Fire Testing Engineer
BRANZ

Reviewed and authorised for release by

L. F. Hersche
Fire Testing Engineer
BRANZ

Issue Date
11 October 2023

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