FH18406-01-2-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
Pyrotek Pty Ltd
147-149 Magowar Road
Girraween 2145
Australia

Date of tests
28th February, 1st March, 24th April, 2nd and 15th May 2024

Reference BRANZ Test Report
FH18406-01-2– 19 August 2024

Test specimens as described by the sponsor

Pyrotek Quadzero Black & Quadzero D/S Black. Acoustic noise barriers consisting of a black-coated foil layer atop a nominally 4-8 kg/m² vinyl barrier with either a fabric backing for Quadzero Black or a second coated foil layer backing for Quadzero D/S Black. The nominal product thickness is 2-4 mm. All samples were tested loose-laid on 6 mm fibre cement substrate.

Specimen ID	Mean values				Colour
	Mass (g) w/out substrate	Mass (g)^	Thickness (mm)^	Apparent Density (kg/m³)^	
FH18406-1-50-1	87.5	171.8	10.4	1652	Black
FH18406-1-50-2	85.9	171.0	10.3	1660	Black
FH18406-2-50-1	0.6	86.3	6.4	1348	Black
FH18406-3-50-1	1.4	83.9	6.6	1271	White
FH18406-4-50-1,2,3*	81.0*	166.1*	10.0*	1661*	Grey
FH18406-6-50-1,2,3*	40.6*	126.0*	8.2*	1530*	Grey

Notes: *Mean values for replicate test samples. ^All sample values include 6mm substrate

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	Classification
NZBC Verification Method C/VM2 Appendix A	Group Number 3
NCC 2022 Volume One Specification S7C4 determined in accordance with AS 5637.1:2015	Group 3

Issued by
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Issue Date
19 August 2024

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