

# FH17922-01-1-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

Kingspan Insulation NZ Limited  
11 Turin Place, Otara  
Auckland, 2013, New Zealand

### Date of tests

13 July and 11 & 18 August 2023

### Reference BRANZ Test Report

FH17922-01-1 – 30 August 2023

### Test specimens as described by the client:

#### Nominally 15 mm to 35 mm Troldekt Ceiling Panel

The ceiling panels are made up of Norway Spruce wood fibres coated in cement and compressed into panels. The panels come in a range of thickness nominally 15 mm to 35 mm thick consisting of coarse and ultrafine wood fibres in a range of colours and a profiled face with nominally 12 mm deep and 18 mm wide channels.

Specimen ID	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	Colour	Indicative Group Number
FH17922-1-50-1	158.1	34.5	458	Natural Wood	Group 1
FH17922-2-50-1	110.1	24.0	459	Grey	Group 1
FH17922-3-50-1	128.4	24.7	520	White	Group 1
FH17922-4-50-1	111.9	25.2	444	Natural Wood	Group 1
FH17922-5-50-(1-6)	154.8*	34.6*	447*	Black	Group 1
FH17922-6-50-1	76.7	15.2	505	White	Group 1
FH17922-7-50-1	73.0	15.0	487	Natural Wood	Group 1

Notes: \*mean values for replicate test samples.

### Group Number Classification in accordance with the New Zealand Building Code (NZBC) and National Construction Code of Australia (NCC)

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. Classification for the sample as described above is given in the table below.

Building Code Document	Classification
NZBC Verification Method C/VM2 Appendix A	<b>Group Number 1-S</b>
NCC 2019 Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	<b>Group 1</b> The average specific extinction area was <b>less</b> than the 250 m <sup>2</sup> /kg limit
NCC 2022 Volume One Specification S7C4 determined in accordance with AS 5637.1:2015	

### Issued by

  
L. Q. Greive  
Associate Fire Testing  
Engineer  
BRANZ

### Reviewed and Authorised for Release by

  
L. F. Hersche  
Fire Testing Engineer  
BRANZ

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

### Issue Date

30 August 2023