

# FH20592-01-1-C1

## GROUP NUMBER CLASSIFICATION



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

### Test Sponsor

CLAD Solutions Ltd  
Unit 18/76 Rotu Drive  
Westgate  
Auckland 0814  
New Zealand

### Date of tests

22nd July 2025

### Reference BRANZ Test Report

FH20592-01-1 – 13 August 2025

### Test specimens as described by the client

#### Akera Board

A nominally 6 to 12 mm thickness fibre cement board

Specimen ID	Mean Values			Colour
	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	
FH20592-1-50-1,2,3	77.4*	6.1*	1262*	Grey
FH20592-2-50-1	161.9	12.2	1327	

\*Mean values for replicate specimens

### Discussion

Samples of Akera board of 6 mm and 12 mm thickness were tested. Both variations achieved the same material Group Number classification, and none showed signs of ignition, with the most onerous variant being tested in full. As such, it is considered that the same Group Number classification would apply to any variant of Akera board between 6 and 12 mm in thickness.

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

The specimens were deemed suitable for testing and calculations for establishing a Group Number were carried out in accordance with New Zealand Building Code (NZBC) Verification Method C/VM2 Appendix A (Amendment 7, 2023) and NZBC Building Product Specifications (2025).

Testing was performed in accordance with ISO 5660, cone calorimeter test, for the purposes of Group Number Classification as specified in the National Construction Code (NCC) Volume One, Specification 7, Clause S7C4. As per Section 9 (n) of AS 5637.1, It was deemed valid to test the particular material in the cone calorimeter for the determination of National Construction Code NCC group number. 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 NZBC Building Product Specifications 1 <sup>st</sup> Edition, Section 8.5	<b>Group Number 1-S</b>
NCC 2022 Volume One Specification 7, Clause S7C4, 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

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

### Issued by

  
L. M. Grant  
Fire Testing Engineer  
BRANZ

### Reviewed by

  
L. Q. Greive  
Fire Testing Engineer  
BRANZ

### Authorised by

  
L. Q. Greive  
Fire Testing Engineer  
IANZ Approved Signatory

### Issue Date

13 August 2025