

# FI18402-01-1-C2

## GROUP NUMBER ASSESSMENT



This is to certify that the specimen described below was tested by BRANZ in accordance with ISO 9705:1993 and AS ISO 9705:2003 (R2016).

### Test Sponsor

Big River Group Pty Ltd  
Trenayr Road  
Junction Hill  
NSW 2460  
Australia

### Date of Tests

7 November 2024, 13 November 2024

### Reference BRANZ Test Reports

FI18402-01-1, FI18402-02-1 – issued  
6/12/2024

### Test specimens as described by the sponsor

**Authentix Defyre Panel**, a nominally 12 mm thick Fibrалux® FR **Uncoloured** treated MDF board with American White Oak veneer and a nominally 12 mm thick Fibrалux® FR **black** treated MDF board with American White Oak veneer. The veneer is nominally 0.6 mm thick and is located on both the front and rear faces of the panel. The FR treated MDF board has a client stated nominal density of 730 kg/m<sup>3</sup> to 745 kg/m<sup>3</sup>.

### Installation and orientation of the test specimens

The panels were oriented with the front face being exposed. The panels were screw fixed directly to the steel framework.

### Classification in Accordance with New Zealand Building Code (NZBC)

Calculations were carried out in accordance with NZBC Verification Method C/VM2 Appendix A. The group number classification and smoke production rate for the test specimen are presented in the table below.

### Classification in Accordance with National Construction Code (NCC) Australia

Calculations were carried out in accordance with AS 5637.1:2015. The test specimen covered three walls and the ceiling. The group number classification and SMOGRA<sub>RC</sub> for the specimen were evaluated in accordance with the requirements of AS 5637.1 and are presented in the table below.

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

Building Code Document	Classification
NZBC Verification Method C/VM2 Appendix A	<b>Group Number 2-S</b> The average smoke production rate was not more than 5.0 m <sup>2</sup> /s limit
NCC 2022 Volume One, Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015	<b>Group 2</b> The SMOGRA <sub>RC</sub> was not more than 100 m <sup>2</sup> /s <sup>2</sup> x 1000 limit

### Issued by

  
L. Q. Greive  
Fire Testing Engineer

### Reviewed and authorised by

  
L. F. Hersche  
Fire Testing Engineer

### Issue Date

6/12/2024