

# FH10473-01-2-C1

## GROUP NUMBER CLASSIFICATION



This is to certify that the specimens described below were tested by BRANZ for determination of Group Number Classification and Average Specific Extinction Area in accordance with ISO 5660 Parts 1 and 2.

### Test Sponsor

Design Materials Inc  
241 South 55th Street  
Kansas City 66106  
United States

### Date of tests

19 December 2018, 6 and 7 March 2019

### Reference BRANZ Test Report

FH10473-01-2 – issued 14/09/2022

### Test specimens as described by the client

DMI sisal wallcovering, comprising unbacked 100% natural woven sisal. The product was treated with fire-retardant solution prior to weaving. Confidential details of the composition and treatment process are kept on file at BRANZ. The product was adhered to a nominally 13 mm thick paper-faced gypsum plasterboard substrate prior to testing.

Specimen ID	Mean Parameters			Colour
	Mass (g)	Thickness (mm)	Apparent Density (kg/m <sup>3</sup> )	
FH10473-2-50-1, 2, 3	87.0	15.5	562.7	Natural

Note: Mean parameters include 13 mm thick plasterboard substrate

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

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A. The classification for the sample as described above is given in the table below.

### Group Number Classification in accordance with NCC Australia


Calculations were carried out according to AS 5637.1:2015. The Group Number Classification and Average Smoke Extinction Area for the sample as described above is given in the table below.

### Determination of Fire Hazard Properties


The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 (2019) and NCC Volume One Specification S7C4 (2022).

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

### Issued by

  
L. Greive  
Associate Fire Testing  
Engineer  
BRANZ

### Reviewed by

  
J. Stallinger  
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Engineer  
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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**  
14 September 2022

**Expiry Date**  
14 September 2027