FH5701-01-03-C1
GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested by BRANZ in accordance with AS/NZS 3837 and ISO 5660 for determination of Group Number classification

Test Sponsor

Alsynite One NZ Ltd
7 De Leeuw Place
Te Rapa Park
Hamilton, 3200
New Zealand

Date of tests

Initial Testing: 6 May and 12 May 2015

Revalidation Test: 20 June 2020

Reference BRANZ Test Report

FH5701-01-3 – 23 September 2025

Test specimens as described by the client

Topglass GC SPF 4 50 FR and Topglass GC 50 FR

A high refractive index translucent roofing product including an Alsynite Proprietary Bromine Free Fire-Retardant resin system, with and without superviolet powder.

Specimen ID	Mean Values			Date of Test
	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)	
FH5701-3-50-1	18.3	1.3	1408	6/5/2015
FH5701-3-50-2	17.8	1.3	1369	12/5/2015
FH5701-3-50-3	17.9	1.3	1377	12/5/2015
FH13024-1-50-1	18.7	1.3	1439	29/06/2020

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) Building Product Specifications 2025, Part 8.

Testing was performed in accordance with AS/NZS 3837, 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.

Revalidation No significant variations were detected in the revalidation test of sample FH13024-1-50-1. Further testing would not be expected to lead to an alteration of the classification determined in test report FH5701.

Discussion In addition to the Topglass GC SPF 4 50 FR tested and reported herein, an additional product of the same composition without superviolet powder under the name Topglass GC 50 FR is produced. It is unlikely that removing the superviolet powder will change the fire performance when tested to ISO 5660 or AS/NZS 3837:1998 and it is considered that Topglass GC 50 FR will retain the Group Number classifications achieved by Topglass GC SPF 4 50 FR.

Building Code Document	Group Number Classification
NZBC Building Product Specifications, part 8, part 8.5, subsection 8.5.5, Table 8.5.5.3	**Group 3**
NCC 2022 Volume One Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015	**Group 3** The average specific extinction area was **greater** than the 250 m2/kg limit

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

Issued by

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Associate Fire Testing Engineer
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Reviewed by

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Authorised by

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23 September 2025