

# FI5394-01-4-C1

## GROUP CLASSIFICATION NUMBER



This is to certify that the specimen described below was tested by BRANZ for determination of Group Number Classification and SMOGRA in accordance with AS ISO 9705 – 2003 and ISO 9705:1993.

### Test Sponsor

Kaynemaile Ltd.  
107 Nelson Street  
Petone 5012  
New Zealand

### Date of test

17 October 2013

### Reference BRANZ Test Report

FI5394-01-4 – issued 20/12/2023

### Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Kaynemaile flame resistant PC mesh.

### Group Number Classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number Classification SMOGRA<sub>RC</sub> for the sample as described above is given in the table below.

The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with AS ISO 9705 – 2003 for the purposes of Group Number Classification. This test comprised three walls and the ceiling lined with the test specimen.

### 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.

Building Code Document	Classification
NCC Volume One Specification S7C4 determined in accordance with AS 5637.1:2015	<b>Group 1</b> The SMOGRA was $0.5 \text{ m}^2/\text{s}^2 \times 1000$ and therefore within the $100 \text{ m}^2/\text{s}^2 \times 1000$ limit
NZBC Verification Method C/VM2 Appendix A: Framework for Fire Safety Design (2020)	<b>Group Number 1-S</b> Average Smoke Production Rate was $0.3 \text{ m}^2/\text{s}$ and therefore within the $5 \text{ m}^2/\text{s}$ limit

### Issued by

  
J. J. Ham  
Fire Team Logistics  
Coordinator

### Reviewed by

  
L. F. Hersche  
Fire Testing Engineer

*Regulatory authorities are advised to examine test report FI5394-01-4 before approving any product.*



### Issue Date

20/12/2023

All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation