FH 5933-C1 ISSUE 2
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 and AS/NZS 3837.

Test Sponsor

Aeroflex Co Ltd
111/7 111/11 Mu 2 Tambol Makhamku Amphur
Nikompattana Rayong, 21180
Thailand

Date of tests

6 and 12 May 2016

Reference BRANZ Test Report

FH 5933 ISSUE 2 – 11 August 2021

Test specimens as described by the client

The product submitted by the client for testing was identified by the client as a closed cell, elastomeric, thermal insulation made of synthetic rubber.

Specimen ID	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)
FH5933-2-50-1	7.6	13.3	57
FH5933-2-50-2	7.6	13.0	58
FH5933-2-50-3	7.6	13.0	58

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 Clause 4.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	1
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The average specific extinction area was **greater** than the 250 m2/kg limit

Issued by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Issue Date
11 August 2021

Reviewed by

S. Whatham
Fire Testing Engineer
IANZ Approved Signatory

Expiry Date
11 August 2026

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