FI16857-01-1-C1
GROUP NUMBER CLASSIFICATION

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

Test Sponsor

Textile Products 1971 Limited
22 Miami Parade
Onehunga
Auckland, 1061
New Zealand

Date of test

9 December 2022

Reference BRANZ Test Report

FI16857-01-1 – issued 10 February 2023

Test specimen as described by the client: **Hush Acoustic Panel** – A white unsiliconised 50 mm thick polyester fibre panel with black polyester felt facing. Client stated total weight of 1750 g/m² and density of 35 kg/m³.

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 the NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number Classification and $SMOGRA_{RC}$ 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 AS ISO 9705 – 2003 for the purposes of Group Number Classification. The test specimen comprised three walls and ceiling of the test room.

Building Code Document	Classification
NZBC Verification Method C/VM2 Appendix A: Framework for Fire Safety Design (2020)	**Group Number 1-S** Average Smoke Production Rate was 0.3 m^2/s and therefore within the 5 m^2/s limit
NCC 2019 Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1	**Group 1** The $SMOGRA_{RC}$ was 0.5 m^2/s^2 x 1000 and therefore within the 100 m^2/s^2 x 1000 limit
NCC 2022 Volume One Specification S7C4 determined in accordance with AS 5637.1	

Issued by

L. Q. Greive
Associate Fire Testing Engineer

Issue Date
10 February 2023

Reviewed and approved for release by

L. F. Hersche
Fire Testing Engineer

Expiry Date
10 February 2028

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