FI13337-001-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 (R2016) and Group Number Classification and Smoke Production Rate in accordance with ISO 9705:1993.

Test Sponsor

InZone Industries Limited
27 Birmingham Road
Otara
Auckland 2013
New Zealand

Date of test

28 October 2020

Reference BRANZ Test Report

FI13337-001 – issued 8/03/2021

Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Mammoth white coloured 290 mm thick polyester insulation panels of density 10.35 kg/m³ and weight 3000 g/m².

Group Number Classification in accordance with 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 (R2016) for the purposes of Group Number classification as specified in the NCC Volume One Specification C1.10 Clause 4.

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	Group Number Classification
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The SMOGRA was 10.8 m^2/s^2 x 1000 and therefore within the 100 m^2/s^2 x 1000 limit
NZBC Verification Method C/VM2 Appendix A	1-S Average Smoke Production Rate was 3.8 m^2/s and therefore within the 5 m^2/s limit

Issued by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by

E. Soja
Senior Fire Safety Engineer
IANZ Approved Signatory

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

Issue Date
8/03/2021

Expiry Date
8/03/2026

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