

FI11564-01-2-C1

GROUP NUMBER ASSESSMENT



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

Featurecraft
1 Heard Place
Irongate
Hastings, 4175
New Zealand

Date of test

29 May 2019

Reference BRANZ Test Report

FI11564-01-2 – issued 6/01/2025

Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Featurecraft polyester acoustic panel, a fire-retardant treated PET acoustic panel.

The composition for the Featurecraft polyester acoustic panel was stated to be 100% PET with a minimum of 60% post-consumer recycled material.

A sample was measured as thickness of 12 mm, and weight 2.76 kg/m².

The tested specimen was colour black.

Group Number Classification in accordance with NCC Australia

Calculations were carried out as per AS 5637.1:2015. The Group Number Classification SMOGRA_{RC} for the sample as described above is given in the table below.

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.

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 2022 Volume One Specification 7, Clause S7C4.

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

Building Code Document

NCC Volume One, Specification 7, Clause S7C4
determined in accordance with AS 5637.1

NZBC Verification Method C/VM2 Appendix A

Classification

Group 1

The SMOGRA was 0.5 m²/s² x 1000 and therefore
within the 100 m²/s² x 1000 limit

Group Number 1-S

Average Smoke Production Rate was 0.53 m²/s and
therefore within the 5 m²/s limit

Issued and Authorised for Release by

L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by

L. Q. Greive
Fire Testing Engineer
BRANZ

Issue Date
6/01/2025