

FI6161-01-2-C1 GROUP NUMBER CLASSIFICATION



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

General Coatings Manufacturing Corp
1220 E. North Avenue
Fresno, CA 93725,
USA

Date of test

12 May 2017

Reference BRANZ Test Report

FI6161-01-2 – issued 31 May 2022

Test specimen as described by the client

The product submitted by the client for testing was identified by the client as “Ultra-Thane 230 Wall Foam” and was installed onto a 6 mm thick fibre cement board substrate as:

- Ultra-Thane 230-2.0 @ 70 to 140 mm thick and approximate density 48 kg/m³
- Sherwin Williams DMT Substrate Primer @ 4 Dry Film Mils Thick (0.1 mm)
- IFTI DC 315 Intumescent Fire Coating @ 24 Dry Film Mils Thick (0.61 mm)

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.

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	2 The SMOGRA was 17.5 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	2-S Average Smoke Production Rate was 2.1 m ² /s and therefore outside 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

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

Issue Date

31 May 2022

Expiry Date

31 May 2027