

FI10808-01

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 and Group Number Classification and Smoke Production Rate in accordance with ISO 9705:1993.

Test Sponsor

Tech Coatings NZ Limited
12 Tokomaru Street
Welbourn
New Plymouth, 4312
New Zealand

Date of test

18 October 2018

Reference BRANZ Test Report

FI10808-01 – issued 9/11/2018

Test specimen as described by the client

The product submitted by the client for testing was identified by the client as FBI-100 Intumescent Coating System applied to substrate type 1 material in accordance with MBIE C/VM2 Appendix A1.6 Table A2. The type 1 substrate was 9 mm Plywood

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 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 15.5 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 0.4 m ² /s and therefore within the 5 m ² /s limit

Issued by

P. C. R. Collier
Senior Fire Testing
Engineer
BRANZ

Reviewed by

P. N. Whiting
Senior Fire Testing
Engineer/Team Leader
BRANZ

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

9/11/2018

Expiry Date

9/11/2023