BRANZ FI 6084-TT
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 and Group Number Classification and Smoke Production Rate in accordance with ISO 9705:1993.

Test Sponsor

Ellis Fibre Limited
152 Kaikorai Valley Road
Kaikorai
Dunedin 9010
New Zealand

Date of test

21st December 2016

Reference BRANZ Test Report

FI 6084-TT – issued 20th January 2017

Test specimen as described by the client

The product submitted by the client for testing was identified by the client as Technobond R 1.8 Polyester underfloor insulation. Nominal thickness 100 mm, 1100 gsm in 450 mm wide rolls.

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	1 The SMOGRA was 0.6 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 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
IANZ Authorised Signatory

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

Reviewed by

P. N. Whiting
Senior Fire Engineer/Fire Testing Team Leader
IANZ Authorised Signatory

Issue Date
20th January 2017

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

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