FI18804-01-C1
GROUP NUMBER ASSESSMENT

This is to certify that the specimen described below was tested by BRANZ for determination of Group Number Classification and $SMOGRA_{RC}$, in accordance with AS ISO 9705:2003 (R2016) and ISO 9705:1993.

Test Sponsor

Asona Limited
7 Cain Road
Unit 12-16
Penrose, Auckland
New Zealand

Date of Test

18 July 2024

Reference BRANZ Test Report

FI18804-01-1 – issued 30 August 2024

Test specimen as described by the client

The product provided by the client for testing was identified as **Triton Baffle Beam™**. The beams were nominally 46 mm thick and 175 mm deep. The beams are comprised of nominally 48 kg/m3 glasswool board core that was profile cut and had Sonatex™ laminate finish facings. Sonatex™ is nominally 1 mm thick and is comprised of multiple layers of glass mat tissue with a fire-retardant filler and PES hot melt adhesive. An MDF fixing strip was embedded in the glassfibre board core. The outer decorative Low Pressure Laminate (LPL) facing was supplied as Kopenhagen V30™ pattern.

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 classification. This test comprised three walls and the ceiling lined with the test specimen.

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 following table.

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

Building Code Document	Classification
NZBC Verification Method C/VM2 Appendix A	**Group Number 2-S** The average smoke production rate was 2.2 m^2/s and therefore not greater than the 5.0 m^2/s limit
NCC Volume One Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015	**Group 2** The $SMOGRA_{RC}$ was 59.0 m^2/s^2 x 1000 and therefore within the 100 m^2/s^2 x 1000 limit

Issued by

L. Q. Greive
Fire Testing Engineer
BRANZ

Reviewed and authorised for release by

L. F. Hersche
Fire Testing Engineer
BRANZ

Issue Date
30 August 2024

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