FH11048-001-C1
GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested by BRANZ for determination of Group Number classification and Average Specific Extinction Area in accordance with ISO 5660 Parts 1 and 2.

Test Sponsor

Asona Limited
Unit 14/7 Cain Road
Penrose, Auckland
New Zealand

Test specimens as described by the client

Asona Triton 15, Triton 25, and Triton 40, 15 – 40 mm thick sound absorbing glass fibre ceiling panels with PU foil wood print laminated facing

Date of tests

17 and 24 September, 18 October, 21 and 27 November 2019.

Reference BRANZ Test Report

FH11048-001 – 6 May 2021

Product ID	Specimen Reference	Mass (g)	Thickness (mm)	Apparent Density (kg/m³)
Triton 15	FH11048-1-50-1	14.9	13.0	115
Triton 15	FH11048-2-50-1	17.2	14.7	117
Triton 25	FH11048-3-50-1	24.5	26.0	94
Triton 40	FH11048-4-50-1	40.6	39.3	103
Substrate layer	FH11048-6-50-1	36.5	38.5	95

Group Number Classification in accordance with the New Zealand Building Code and NCC Australia

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A and AS 5637.1:2015. The specimen was deemed suitable for testing in accordance ISO 5660 for the purposes of Group Number classification and Average Smoke Extinction Area.

Discussion – Perforated Surfaces

Testing of perforated PU foil wood print samples demonstrated correlation between exposed surface area and Group Number performance. When the total exposed PU foil surface area was reduced by ≤45%, the reduction in total combustible material present offset the reduced time to ignition. It is therefore considered that Asona Triton products as tested above with perforated patterns ≤45% of the total surface area would be expected to achieve the performance as reported in the table below.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix	2-S
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	2 The average specific extinction area was **less** than the 250 m2/kg 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
6 May 2021

Expiry Date
6 May 2026