

FH 4930-C1 ISSUE 3

GROUP NUMBER CLASSIFICATION



This is to certify that BRANZ tested the specimens described below for determination of group number classification and average specific extinction area in accordance with ISO 5660 Parts 1 and 2 and AS/NZ 3837.

Test Sponsor

Asona Limited
Unit 14, 7 Cain Road
Penrose, Auckland

Date of tests

5 December 2012, 29 September 2020, 5 December 2020

Reference BRANZ Test Report

FH 4930 Issue 3 – 6 May 2021

Test specimens as described by the client:

Triton™ 25 - a 25 mm thick glass wool ceiling panel with white coloured 320 gsm Sonatex™ composite facing.

Triton™ Duo – a nominally 25 – 60 mm thick glass wool ceiling panel with white coloured 320 gsm Sonatex™ composite facing and 10 mm thick plasterboard backer adhered to the unexposed face of the glass wool board.

Product	Specimen ID/s	Mass (g)	Thickness (mm)	Apparent Density (kg/m ³)	Indicative Group Number
Triton 25	FH4930-50-1/2/3	19.0	25.0	74	1
Triton Duo	FH11048-7-50-1	65.9	10.6	622	1
Plasterboard	FH11048-8-50-1	92.1	50.8	181	1

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. The classification 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 ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4.

Discussion – Specimen Thickness


Asona Triton Trio™ 85 is comprised of identical glass wool absorber and plasterboard backer as Triton Duo™ 60 with additional 25 mm thick glass wool layer adhered to the unexposed face of the plasterboard backer. It is considered that increased thickness of the glass wool substrate would not be expected to alter the group number performance, as provided in the table below.

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	1-S
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The average specific extinction area was less than the 250 m ² /kg limit

Issued by


L. F. Hersche
Fire Testing Engineer
IANZ Approved Signatory

Reviewed by


S. Whatham
Fire Testing Engineer
BRANZ



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