FI 20045-01-1-C1
GROUP NUMBER ASSESSMENT

This is to certify that the specimen described below was tested by BRANZ in accordance with ISO 9705:1993 and AS ISO 9705:2003 (R2016).

Test Sponsor

Abodo Wood Limited
62 Ascot Road
Mangere
Auckland 2022
New Zealand

Date of Test

27 September 2024

Reference BRANZ Test Report

FI 20045-01-1 – issued 28/11/2024

Test specimen as described by the sponsor

Abodo Vaaro® LAMVG Interior Panelling, comprised of fire-retardant (FR)-treated thermally modified timber (TMT) planks. The planks are made from laminated 30 mm sections bonded to form a single plank. The timber species is Pinus Radiata. Each plank measures 130 mm in width by 10 mm in thickness. The planks incorporate a tongue-and-groove interlocking system along both edges. The interlocking planks were screw-fixed to a steel framework using 8-gauge, 40 mm screws at nominal 600 mm centres.

Classification in Accordance with New Zealand Building Code (NZBC)

Calculations were carried out in accordance with NZBC Verification Method C/VM2 Appendix A. The group number classification and smoke production rate for the test specimen are presented in the table below.

Classification in Accordance with National Construction Code (NCC) Australia

Calculations were carried out in accordance with AS 5637.1:2015. The test specimen covered three walls and the ceiling. The group number classification and $SMOGRA_{RC}$ for the specimen were evaluated in accordance with the requirements of AS 5637.1 and are presented in the table below.

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 1-S** The average smoke production rate was 0.7 m^2/s and therefore within the 5.0 m^2/s limit
NCC 2022 Volume One Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015	**Group 1** The $SMOGRA_{RC}$ was 2.0 m^2/s^2 x 1000 and therefore within the 100 m^2/s^2 x 1000 limit

Issued and authorised by	Reviewed by	Issue Date
L. F. Hersche Fire Testing Engineer	L. Q. Grieve Fire Testing Engineer	28/11/2024