FH18269-01-1-C1
FIRE TEST CERTIFICATE

The specimens described below were tested by BRANZ in accordance with AS/NZS 3837 for determination of AS 3959:2018 assessed performance.

Test Sponsor

Abodo Wood Limited
62 Ascot Road
Mangere
Auckland, 2022, New Zealand

Date of tests

27th October and 3rd November 2023

Reference BRANZ Test Report

FH18269-01-1 – issued 11/04/2024

Test specimens as described by the client

Abodo Vaaro™ (ratio I) nominally 18 mm Laminated Vertical Grain (LAMVG) Pinus radiata board

It is a thermally modified timber board which has been fully impregnated with a fire-retardant chemical treatment. The product has been machined to produce a nominally 18 mm thick profile from a nominally 20 mm thick 'blank' FR treated board. Profiling was achieved by machining off nominally 1.0 mm from the exposed face and nominally 1.0 mm from the unexposed back face.

Specimens ID	Mean values		
	Mass (g)	Thickness (mm)	Apparent density (kg/m³)
FH18269-4-25-2,3,4,5,6,7	125.5	17.9	700

Testing in accordance with AS 3959:2018

The specimens were subjected to the ASTM D2898 Method B accelerated weathering regime with water flow rate modified to be the same as that within ASTM D2898 Method A prior to testing in accordance with AS/NZS 3837.

Requirements for bushfire-resisting timber in accordance with AS 3959:2018 Appendix F			
Irradiance (kW/m²)	**AS 3959 Criteria**	**Test result summary**	**Performance assessment**
25	Maximum HRR ≤ 100 kW/m²	54.3	Pass
	Average HRR for 10 mins. following ignition ≤ 60 kW/m²	24.2	Pass

- Two of the specimens did not maintain ignition (sustained flaming for 4 sec) or exceed heat release rates of 60 kW/m² throughout the designated test duration.

For the purposes of compliance with the performance requirements of AS 3959-2018, Appendix F Bushfire-resisting timber, the samples described above, meet the necessary performance criteria, and are deemed to satisfy the requirements for bushfire-resisting timber.

Issued by

L. M. Grant
Associate Fire Testing Engineer
BRANZ

Reviewed by

E. Soja
Senior Fire Safety Engineer
BRANZ

Issue Date
11 April 2024

Regulatory authorities are advised to examine the full test report before approving any product.

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