

FC20729-01-1-C2

ASSESSMENT SUMMARY



This is to certify that the products described below have been assessed by BRANZ in accordance with the referenced documents on behalf of the sponsor.

Sponsor: Big River Group (NZ) Ltd
PO Box 17-091
Greenlane
Auckland 1546
New Zealand

Reference Report: FC20729-01

Referenced Documents: AS 5637.1:2015 and Building Product Specifications 2025

Date of Assessment: 23 October 2025

Specimen Name: **Defyre FR** (Natural Firesafe FR-MDF) with **Natural Timber Veneers**

Specimen Description: Raw or black-coloured, 12–25 mm thick, fire-retardant treated medium-density fibreboard (FR-MDF) finished with natural timber veneers.

Orientation: Exposure from either face.

Applicable Facings: Natural timber veneers as listed in Table 2.

The assessed results were as follows:

Table 1: Assessed Results

Building Document	Classification
NZBC Verification Method C/VM2 Appendix A	Group Number 2-S
Building Product Specifications (2025)	
National Construction Code (NCC) in accordance with AS 5637.1:2015	Group Number 2 $SMOGR_{RC} < 100 \text{ m}^2/\text{m}^2 \times 1,000$

Regulatory authorities are advised to examine FC20729-01 before approving any product.

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The following table provides the complete list of natural timber veneers assessed to the performance classification given in Table 1, when applied to raw or black-coloured Defyre FR (Natural Firesafe FR-MDF).

Table 2: Summary of Assessed Natural Timber Veneers

Species	Density (kg/m ³)	Species	Density (kg/m ³)
Rosewood, New Guinea	820	Birch, European	670
Vitex	800	Myrtle Burr, Tasmanian	670
Rose Eucalypt	750	Myrtle, Birdseye	670
Tear-drop Oak	750	Myrtle, Figured	670
Rose Eucalypt, Smoked	750	Myrtle, Flame	670
Gum, Rose	750	Myrtle, Southern	670
Padouk	750	Myrtle, Tasmanian	670
Pine, Celery Top	750	Mahogany, Pomelle	660
Oak, American White	750	Blackwood, Birds Eye	660
Oak, Rift	750	Blackwood, Tasmanian	660
Tasmanian Tea Tree	745	Cherry, Queensland	660
Oak, Plantation	740	Mahogany, Khaya	650
Oak Silky	730	Walnut, Queensland	650
Ash, Mountain	730	Anegre	640
Acacia	720	Anegre, Figured	640
Oak, Pippy	720	Koto	640
Oak, Smoked	720	Maple, Figured Qld	640
Pine, Huon	720	Sapele	640
Beech, Curly	720	Sapele, Pomelle	640
Beech, European	720	Maple, Queensland	640
Beech, Unsteamed	720	Sassafras, Black Heart	640
Beech, Red	720	Sen, Japanese	640
Beech, Silver	720	Sassafras, Golden	620
Oak Burr	720	Tawa	610
Coachwood, NSW	720	Walnut Burr	610
Oak, European	720	Walnut, American	610
Maple Burl	705	Walnut, New Guinea (Pacific Walnut)	610
Maple, Birds Eye	705	Cherry, European	610
Maple, Curly	705	Walnut, Silky	610
Maple, Figured Rock	705	Silky	600
Maple, Quilted	705	Pine, Hoop	600
Maple, Rock	705	Sycamore, Figured	600
Oak, Tasmanian	700	Sycamore, White	600
Pearwood	700	Nyatoh	600
Ash, Tasmanian	700	Mahogany, Brazilian	590
Ash, Victorian	700	Pine, Kauri	590
Oak, Figured Tasmanian	700	Cherry, American	580
Leatherwood	690	Avodire, Figured	560
Makore	685	Rimu, Coloured Heart	560

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Table 2 (continued): Summary of Assessed Natural Timber Veneers

Species	Density (kg/m ³)	Species	Density (kg/m ³)
Ash, Euro	680	Rimu, Pale	560
Ash Olive Burl	680	Calantas	560
Wattle, Silver	680	Elm Burr	560
Ash Burr	670	Elm, European	560
Ash, Silver	670	Elm, Red	560
Ash, White	670	Gum, Red Heart	545
Makore, Figured	670	Sycamore, Queensland	540
Makore, Pomelle	670	Fir, Douglas (Oregon)	530
Birch, Australian White	670	Pine, Birds Eye	530
Birch, Canadian Red	670	Cedar, Australian	530
Birch, Curly	670	Pine, Baltic	510
Birch, European	670	Pine, Radiata	500
Birch, Masur	670	Alder	450
Birch, Quilted European	670	Meranti	450
Myrtle Burl, American	670	Cedar, Western Red	370

A handwritten signature in blue ink, appearing to read "Lukas Hersche".

Issued by Lukas Hersche
Fire Testing Engineer
BRANZ

A handwritten signature in blue ink, appearing to read "Lester Greive".

Reviewed by Lester Greive
Fire Testing Engineer
BRANZ

Issue date 13 November 2025