



Certificate of Conformity

Certification Body:



**BUREAU
VERITAS**

Bureau Veritas Australia Pty Ltd
11/500 Collins Street
Melbourne VIC, 3000
Ph: 1800 855 190
www.bureauveritas.com.au

Certificate Holder:



**Wood Modification
Technologies Ltd**
19 Melanesia Road,
Kohimarama, Auckland 1071
Ph: +64212706043
www.flamefixx.com.au

Certificate number: CM70124

THIS TO CERTIFY THAT

FLAMEfixx dFx® Durable Flame Retardant Treated Wood Product

Type and/or use of product:

FLAMEfixx dFx® is a wood product (radiata pine) that can be used in an exterior above ground applications including decking, sub-floors (joist & bearers), glue laminated (glulam) & cladding (trim-boards). For FLAMEfixx dFx® the timber grade (structural or non-structural) will determine where the product will ultimately be used – refer to Product Specification.

Description of product:

FLAMEfixx dFx® is a durable (H3) Flame Retardant Treated Wood (FRTW) product that protects against fungal decay (rot), insects (termites) and meets AS3959-2018 for bushfire attack level (BAL40). FLAMEfixx dFx® is a timber impregnated wood treatment, which treats both the wood preservative (H3) and flame retardant in a single working solution treatment whereby ensuring both penetration and retention levels are met.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2019

	Volume One	Volume Two
Performance Requirement(s)	N/A	N/A
Deemed-to-Satisfy Provision(s)	N/A	3.10.5.0(c)
State or territory variation(s)	N/A	NSW 3.10.5.0 QLD 3.10.5.0

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. This certification covers Pinus radiata timber with FLAMEfixx dFx® and is suitable for use as external cladding, subfloor framing and decking in bushfire prone areas up to and including BAL40.
2. The treatment protocol shall only be undertaken by a treatment supplier that has the third-party assurance in respect to their treatment processes, including FLAMEfixx dFx®, which includes at least an annual external audit.
3. For treated timber, only water-based azoles or CuAz treatment protocols shall be used.
4. FLAMEfixx dFx® shall be installed in accordance with AS 1684 & AS 1684.2 and FLAMEfixx dFx® Guide for installer, 26 May 2022.

Building classification/s:

Volume 2 – Class 1 and Class 10 buildings

Sam Guindi – Product Certification Manager
Bureau Veritas Australia Pty Ltd

Harley Parkes – Unrestricted Building Surveyor
Hendry Group Pty Ltd

Date of issue: 7 February 2023

Date of expiry: 6 February 2026





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Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Please refer to page 1.

A2 Description of product

FLAMEfixx dFx® is a durable (H3) Flame Retardant Treated Wood (FRTW) product that protects against fungal decay (rot), insects (termites) and meets AS3959-2018 for bushfire attack level (BAL40). FLAMEfixx dFx® is a timber impregnated wood treatment, which treats both the wood preservative (H3) and flame retardant in a single working solution treatment whereby ensuring both penetration and retention levels are met. Like other wood preservative treatments, once FLAMEfixx dFx® has undergone chemical treatment it is then kiln dried fixing both the wood preservative & flame retardant firmly into the wood ready for further processing and machining into final form.

A3 Product specification

Technical information can be found in the product technical manual: Flamefixx Product Specification for Chemical Treatment, Wood Processing & Marketing of FLAMEfixx, Version 6.0, 20 May 2022.

FLAMEfixx dFx® product specification for the following radiata pine products included below;

Timber Species	Radiata Pine (Plantation Grown)	Radiata Pine (Plantation Grown)	Radiata Pine (Plantation Grown)	Radiata Pine (Plantation Grown)	Radiata Pine (Plantation Grown)
Application	Sub-Floors	Sub-Floors	Decking (Premium)	GL8 – visual (Glulam)	'clears' – boards & shooks (F/J)
Timber Grade	Structural mgp10	Structural F7 - visual	Non-Structural	Structural	Non-Structural
Timber Standard	AS/NZS1748	AS2858	NZS3631 (1998)	AS/NZS1748	NZS3631 (1998)
Timber Treatment	AS1604 H3, Flame Retardant (BAL40)	AS1604 H3, Flame Retardant (BAL40)	AS1604 H3, Flame Retardant (BAL40)	AS1604 H3, Flame Retardant (BAL40)	AS1604 H3, Flame Retardant (BAL40)
Size/Tolerance	90x45,140x45,190x45, 90x70, 120x45mm & tolerance +/-0.5mm	240x45,290x45 90x30, 138x30, 185x30, 230x30, 280x30, 66x42, 90x42, 138x42, 185x42, 230x42, 280x42 mm & tolerance +/-0.5mm	70x22, 90x22, 140x22, 140x28 mm tolerance & +/-0.5mm	88x88,112x112,135x135 185x185, 90x70, 140x65, 180x65, 190x65, 240x65, 280x65, 290x65, 320x65mm tolerance +/-0.5mm	weatherboards, fascia, int. & ext. corners, eaves linings, hand & bottom rails, door jambs 90x 11, 138x11, 42x18, 62x18, 66x18, 90x18, 110x18, 116x18, 138x18, 158x18, 166x18, 176x18, 180x018, 185x18, 230x18, 280x18, 175x22, 25x25, 45x25, 50x25, 180x25, 185x25, 230x25, 280x25, 30x30, 42x30, 66x30, 80x30, 112x30, 138x30, 163x30,



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					180x30, 188x30, 210x30, 230x30, 280x30, 42x42, 66x42, 84x42, 88x42, 112x42, 138x42, 185x42, 66x66, 79x65, 84x65, & tolerance +/-0.5mm
Moisture Content %mc	12-18%mc range 15%mc (Australia) av.	12-18%mc range 15%mc (Australia) av.	12-18%mc range 15%mc (Australia) av.	10-15%mc range 12%mc average	8-15%mc range 15%mc (Australia) av.

A4 Manufacturer and manufacturing plant(s)

Northsawn Lumber Ltd - 18 Lakeside Park Road, Ruakaka 0171, New Zealand

A5 Installation requirements

FLAMEfixx dFx® shall be installed in accordance with AS 1684 & AS 1684.2 and FLAMEfixx dFx® Guide for installer, 26 May 2022. A6 Other relevant technical data
 Technical information can be found in the product technical manual: Flamefixx Product Specification for Chemical Treatment, Wood Processing & Marketing of FLAMEfixx, Version 6.0, 20 May 2022. For full Product information refer to: <http://flamefixx.com.au>.

A6 Other relevant technical data

N/A

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

Bushfire Assessment: A2.3(2)(a)/A5.2(1)(d) - A report issued by an Accredited Testing Laboratory (Warringtonfire – NATA Accreditation No. 3277)

B2 Reports

1. Warringtonfire, A simulated bushfire test report, Job No. FRT210018 Rev 1.1, 14 April 2021

This report presented the results to a simulated bushfire test to the requirements of Clause 14 and 15 of AS1530.8.1:2018 for FLAMEfixx FJ weatherboards and determines that the product is suitable for use in bushfire prone areas up to and including BAL40.

2. Warringtonfire, A simulated bushfire test report, Job No. FRT20042 Rev 1.0, 10 May 2021

This report presented the results to a simulated bushfire test to the requirements of Clause 14 and 22 of AS1530.8.1:2018 for FLAMEfixx subfloor system and determines that the product is suitable for use in bushfire prone areas up to and including BAL40.

3. Warringtonfire, A simulated bushfire test report, Job No. FRT210169 Rev 1.0, 25 August 2021

This report presented the results to a simulated bushfire test to the requirements of Clause 14 and 21 of AS1530.8.1:2018 for FLAMEfixx dFX decking system and determines that the product is suitable for use in bushfire prone areas up to and including BAL40.