



# INFORMATION SHEET

## H1.2 Boron Treated Framing Timber



### Commitment

McAlpines is committed to supplying high quality H1.2 treated, structurally graded framing timber in compliance with New Zealand Standards for use in common building applications. We are audited producers under the New Zealand Standard Operating Procedures for timber grading and treatment.

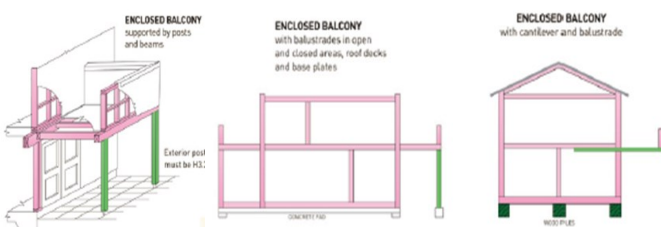
### Framebor® Boron

Boron has been the traditional preservative for protection of building timber against decay and insects in New Zealand for over 50 years. Boron treatment has a proven record of safety and performance when used as recommended. Framebor® is a modern, low uptake water borne boron treatment from Lonza designed for dry structurally graded timber framing.

### Hazard Class H1.2

For Radiata pine structural timber products used in framing and interior construction H1.2 treatment is specified to ensure long life and trouble free service expected under the Building Code. Typical examples are framing and truss timbers and subfloor support. For further information see NZS3602, NZS3604 and acceptable solutions as per Amendment 7, for clause B2 Durability of the New Zealand Building Code.

**Acceptable solutions as per Amendment 7, for clause B2, durability of the New Zealand building code.**

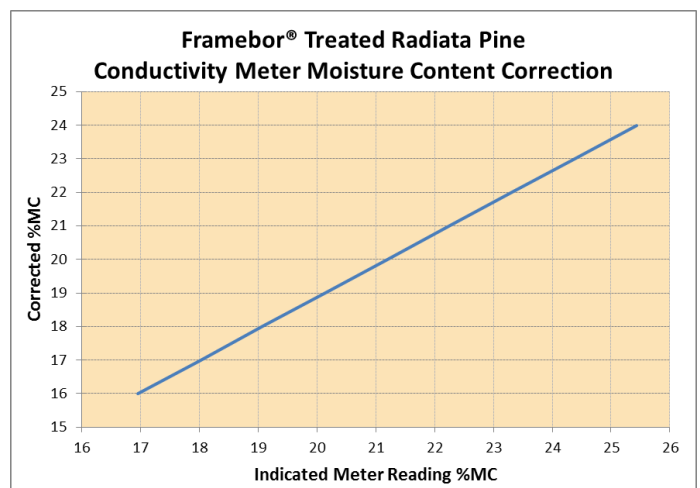


### New Zealand Product Specification

New Zealand Radiata pine structurally graded sawn timber sections treated with Framebor® boron based wood preservative as per NZS3640 Section 6.1;

- Preservative retention minimum of 0.4% m/m as boric acid equivalent (BAE).
- Preservative penetration – complete sapwood penetration.

McAlpines H1.2 treated structural timber is supplied dressed-all-round (DAR) and dry (< 21% moisture content) with a pink surface coloration for easy identification. Note that the boron treatment may slightly increase the indicated moisture content as measured when using conductivity (insulated pin) type moisture meters. The table below can be used to correct the measured moisture content.



## Product Selection

McAlpines treated structural timbers should be used in their final shape and form as supplied. Cutting, notching, planing and drilling required for installation, fitting and straightening do not require re-sealing. However McAlpines H1.2 treated timber must not be rip sawn or re-manufactured from the original dimensions. For structural loads, spans and spacing, bearer and joist sizes or other structural allowances, consult NZS3604, an approved Radiata pine design guide, an engineer or building designer, your territorial authority or McAlpines for further information.

## Product Management

McAlpines H1.2 treated structural timbers are not intended for long term exposure to rain and weather. Unprotected exposure time during construction should be minimized and generally not exceed 3 months. If extended time of storage is required ensure that the timber or pre-assembled frame and truss components are stored out of ground contact and protected from rain.

## Approved Production Plant

McAlpines operates a comprehensive wood processing and treatment operation in compliance with relevant industrial consents and approvals. We are an approved NZ Timber Preservation Council (Woodmark) audited producer (numbers 700 McAlpines Timber & 689 McAlpines Rotorua).

## Product Warranty

McAlpines provides a 50 year limited guarantee on our H1.2 boron treated Radiata pine. Contact McAlpines for further details.

## Typical End Uses

McAlpines H1.2 boron treated structural timber is ideal for common residential, commercial and other applications within the building envelope requiring protection against insects and decay (also consult NZS3602 and clause B2 Durability of the Building code for full details of use in framing).

## Benefits of McAlpines H1.2 Boron Treated Wood Products

- Structurally graded (MSG) in accordance with NZS3604.
- Long lasting and robust for New Zealand building conditions which are known to be severe for decay and rot.
- Light and easy to work with.
- Manufactured from a renewable resource.

## Fasteners and Fixings

Normal bright steel nails, plates and fasteners are suitable with McAlpines H1.2 treated framing timber. For situations where additional corrosion may be expected such as with proximity to the sea, galvanized steel is recommended. See NZS3604 for further details.

## Safety and Handling

Avoid breathing wood dust when machining, sanding or sawing treated wood. Wear a filter mask if necessary. Protect eyes from flying particles when using high speed tools. Wash wood dust off hands and clothes and wash hands after handling the products and before eating or drinking.

## Waste Disposal

Do not burn treated wood wastes or off-cuts. Burning treated wood may produce toxic fumes and residues. Redundant pieces and wood waste should be disposed through normal waste collection and disposal services.

*Framebor<sup>®</sup> is a trademark of Lonza Group or its affiliates. April 18*



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