

FrameBor[®] N H1.2 Boron

1.0 Description

Framebor[®] N is a highly concentrated boron based preservative for the treatment of softwood framing timber (Radiata pine and Douglas fir) to H1.2 level as per NZS3640. The product is applied to timber by vacuum pressure impregnation process.

2.0 Formulation

1.1 Constituents

BORON (as boric acid equivalent or BAE):	80% w/v
Octhilinone	0.1%w/v
Inert ingredients:	Balance

1.2 Formulation Water soluble concentrate

1.3 Appearance Clear viscous liquid

1.4 Density 1.35 g/mL @ 20°C

3.0 Directions for Use

Solution Preparation: Framebor[®] N dilutes easily in water to make the treatment solution. Pink marker dye for H1.2 boron treatment identification may be added and antifoam additive may be required in some cases. Anti-mould is required to be added at the plant site – consult Lonza for details.

Recommended dilution rates for treatment are as follows;

Process	Recommended dilution
Vacuum pressure treatment – 30 to 35 L/m ³ uptake	1 part of product to 7 to 8 parts of water (9% w/v to 10% w/v solution as BAE)

Treatment Schedules: Low pressure Reuping type autoclave process is recommended. Consult Lonza for specific advice on process schedules and other recommendations.

Treated timber: For structurally graded (MSG) timber, the moisture content after treatment should be allowed to equilibrate to 21% or less before supply (refer to Timber Grading SOP

section 8.1.2). Required retention in the full sapwood is 0.40% w/w as BAE. Consult Lonza for further information. The treated timber should not be exposed to weather for more than three months prior to and during construction.

Quality control: Lonza can supply solution strength control kits and boron penetration indicator reagents. Retention and penetration of boron in the timber as outlined in NZS3640 should be confirmed as per industry treatment SOP procedures. Consult Lonza or your quality auditor for further details.

4.0 Packaging

Returnable 1,000 litre IBC containers

Bulk delivery also available

5.0 SAFETY & HANDLING

Handling: Contact with the product or the dilute solution may irritate the eyes and skin. Avoid contact with eyes and skin. Wear gloves and eye protection when preparing solution. Avoid inhaling mist or fume. Consult MSDS for further details.

Storage: Store in correctly labelled containers or tanks in a secure, bunded compound.

Transport: UN number: 1760 Corrosive liquid N.O.S. DG Class: 8 – Packaging group III

Container disposal: Thoroughly rinse empty containers (using the washings in the treatment solution) and return to Lonza.

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