BAX-R

WOOD PRESERVATIVE

. . for in-situ treatment
of framing timber

QUALITY
GUARANTEED

Formulated specifically for the in-situ treatment of framing timber affected by leaky buildings

88%m/v Remedial Boron Formulation With Red Dye

TimTechChem™
International

What is TimTech BAX?

TimTech BAX is an EPA registered liquid boron preservative complying with NZ Standard 3640. It is just one of several registered timber preservatives belonging to the TimTechChem International Limited stable of preservatives.

TimTech BAX is supplied as either an 88% concentrate or a 38% concentrate. (An SDS can be supplied when requested). Commonly known as **"borate based timber preservatives"** or **"boric based timber preservatives"**, boron based timber preservatives have been in use in the New Zealand timber preservation industry for over fifty years.

The major component of **TimTech BAX** is Boric Acid. There is also a proprietary carrier incorporated into the concentrate along with water.

Applications of Bax

TimTech BAX is used predominately for treating timber that is to be used as framing timber.

Because boron is a non-fixed, water based preservative it is primarily to be used in situations protected from the weather. In the framing timber instance, here in New Zealand, the timber is treated to the hazard class H1.2.

Timber can also be boron treated to the hazard class H3.1 in New Zealand. In this instance (H3.1), the timber can be used as fascia, cladding and for similar purposes where there is no risk of moisture entrapment. In these end use situations the timber is pre-primed prior to despatch from the production site. It should then be painted in situ with a minimum of two top coats.

How does it work?

The timber treating process itself can be carried out either as a dipping operation (dip tank) or in a pressure treating plant. Boric based preservatives, by their very nature work to protect timber against attack from chewing and boring insects (e.g. borer, termites) as well as prevent decay (white rot, brown rot soft rot) caused by exposure to moist or damp conditions.

Borates (boric acid) are toxic to both wood chewing / boring insects and wood decaying fungi. Boric acid has low acute mammalian toxicity.

One mode of action is the borates disrupt the enzymatic path ways of the insect and destroys the microflora (protozoa and bacteria) in the stomach of the insect. This stops food digestion from taking place.

Borates also affect the enzymatic systems and path ways of fungi. Additionally the borate also acts as a contact toxicant to the fungus. Rather than just being a surface treatment, the borates diffuse into the timber (and continue to slowly move around by means of diffusion in direct relation to moisture levels) making the whole depth of the timber resistant to attack by chewing insects and to fungal decay.

Formulated specifically for the in-situ treatment of framing timber affected by leaky Buildings

Boron compounds offer some of the most effective and versatile wood preservation systems available today. They combine the properties of broad spectrum efficacy and low acute mammalian toxicity. Oxides of boron, the active ingredients in boron systems, are intertwined within the environment, are essential plant micronutrients and are added regularly to agricultural land as trace fertilisers.

In addition to **TimTech BAX** we also have **TimTech BAX-R** available.

What is TimTech BAX-R?

TimTech BAX-R is our 88% liquid boron concentrate, (supplied in twenty litre containers) used for the remedial application to freshly machined or notched framing, damaged or untreated framing.

TimTech BAX-R comes pre coloured with a red marker dye. This is a necessary requirement to identify that the remediated timber has had an in situ application of the preservative applied.

TimTech BAX-R is usually applied (after diluting the concentrate with the same volume of water to achieve a 44% solution strength) by brush or roller to the affected framing. It can be applied by a back pack spray unit if this application method is found to be necessary.

Please follow all of the Health and Safety and handling advice advised in the SDS.



General Handling Practices:

- When power sawing or machining any timber (whether treated or untreated), wear goggles to protect your eyes from dust and flying particles.
- A dust mask should be worn to prevent dust inhalation.
- Where boric treated timber is cut or notched, the exposed surfaces should be coated with a liberal application of TimTech BAX-R.
- Packets of “boric treated timber” should be rested on treated bearers, free of ground contact, vegetation and water pooling. The packets should remain wrapped or covered and protected from rain wetting during the construction phase.
- Do not burn boron treated timber in cooking fires or for domestic heating.
- Do not use boron treated timber residues for animal bedding or for garden mulch.

Unlike other low concentration remedial boron products, TimTech BAX-R will not swell the timber to the same degree enabling a quick close up with Gib board.

TimTech BAX-R will continue to diffuse into the timber to give maximum protection against decay and insect attack.

BAX-R

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