

biopin® | Basis

Product no. 34

Boric Salt Wood Protection

General Product Description

Product description	bio pin Boric Salt Wood Protection is a water-soluble and odourless wood protection salt with a preventative effect against wood-destroying insects (Iv) and excellent results against fungal disease (P) according to DIN 698 800. Does not damage metal and glass surfaces. Test mark PA applied for, test results P = effective against fungi (rot protection); Iv = preventative effect against insects; S = can be brushed or sprayed or dipped onto wood used as construction material.
Areas of application	As a preventative measure to protect wood from fungi and insects destroying it. To be applied on wooden materials which have been treated against leaching; mainly wood used as construction material eg for roof beams etc. bio pin Boric Salt Wood Protection can also be used for damp areas, windows and doors.
Constituents	Sodium carbonate.
Colours	Transparent
Storage	Keep tightly closed and out of the reach of children. Store well sealed and in dry conditions. Only store boric salt solutions in non-rusting containers. Do not pour into containers used for beverages, food or animal feed. Store separately.
Shelf-life	Nearly unlimited storage if kept dry and firmly closed.
Can sizes	1.0 kg
Class of risks	None
Technical Data	
Specific weight	15% solution Approx. 1.09g/cm ³ .
How to use	
Suitable Surfaces	Wood.
Surface requirements	The wood must be untreated and porous.
Application	Apply by means of brushing, spraying, dipping, open tank or pressure treatment. Quantities according to DIN 68 800; brushing, spraying or dipping: in cases of thickness of wood up to 4 cm 50 g/m ² ; if wood thickness is above 4 cm 60 g/m ² ; for open tank or pressure treated wood: in dangerous materials class 1 and 2 = 1 kg/m ² .
Concentration	The concentration should be adapted according to the total amount of boric salt used, the type of wood and the application method. If the salt is applied by brushing, spraying or dipping of dry wood (max. wood humidity 20%) the water-based solution must be between 10%(min.) and 15% (max.). If the humidity of the wood is above 20% the solution must be between 15%(min.) and 20% (max.). The treatment process should be repeated 2-3 times in order to achieve the necessary penetration. In cases of open tank dipping the solution must be between 5% (min.) and 10% (max.). In cases of pressure treatment, the concentration must be 2% (min.). How to prepare the solution: mix bio pin Boric Salt well with little water. Then add remaining water (temp. 20° min.) constantly stirring the solution. In order to speed up the solution process of open tank dipping the liquid must be agitated (eg by means of compressed air.) Application of the solution: if

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solution is brushed or sprayed onto wood 2-3 coats are necessary in order to achieve the necessary penetration level according to DIN 68 000 (part 3).

Preparation

Cut wood to size, remove all bark and bast. Humidify dry wood prior to brushing or spraying in order to guarantee sufficient penetration of wood.

After-treatment

To ensure sufficient penetration in dry wood humidify again after brushing or spraying. Treat any cuts in the wood immediately. Storage of wood. Impregnated wood must be stored wrapped in plastic foil or indoors to protect it from rain or other water contact.

Further treatment

In general wood impregnated with boric salt wood protection can be painted. However, the following advice should be followed: leave wood to dry, brush off any remaining product. Test paint on spare piece of treated wood first in order to determine any adverse reactions. Apply sufficiently thick coats of paint especially in damp areas, check painted areas from time to time. Re-coat if necessary.

Cleaning of tools

Clean all tools with water immediately after use.

Security advice

Keep tightly closed and out of the reach of children. Rinse well in cases of direct eye contact. Seek medical advice if product has been swallowed.

Disposal of the product

The legal requirements on the pollution of water and soil must be observed. Do not empty product into sewers or onto open ground. Store unused product carefully or dispose of at appropriate landfill site.