

Construction Resources



HOLZWEG TECHNICAL SHEET H20

BORON SALT

Uses *Holzweg Boron Salt* is a natural mineral that can be used as a wood preservative treatment for all interior timber

Properties *Holzweg Boron Salt* protects timber against fungal decay and attack by insects without the highly toxic emissions that characterise virtually all other products. However, it is a biocide, and should therefore only be used where it is not possible to avoid the problem altogether by proper construction. This product does not remedy existing insect or fungal infestation, for existing problems use *Holzweg Timber Treatment Fluid*

Containers 0.5, 2.5 and 15 kilogram paper sacks

Coverage 4 kilograms per cubic metre, for pressure impregnation or steeping

Preparation The surface should be clean, grease-free, and absorbent. Dry timber should be thoroughly soaked with water before application of the boron salt, to ensure maximum penetration.

Mixing Add the salt to warm water (minimum 15°C), stirring continuously to avoid lumps forming. The correct strength of solution depends on the method of application (see *Application* below).

Application Boron salt can be applied to the timber by pressure impregnation, steeping, painting, spraying or dipping.

Pressure impregnation or steeping are the most effective methods, and require a solution strength of between 5% and 10% i.e. 50g to 100g of boron salt per 1 litre of water.

For **painting, spraying or dipping** in the case of dry timber, use a solution strength of 15% (150g per litre of water).

Timber being installed in roof spaces can be used as soon as it is dry. For food and fodder stores the timber must be completely dry. If cracks or splits develop in the timber after installation, or if the treated timber is sawn before installation, the newly exposed areas should be treated again to avoid attack. However as a preservative, boron salt is only suitable for use in situations where there is no risk of it being washed out of the timber by water.

The proper concentration will depend on the type of wood, the method and the amount to be used. For further information consult BS 5268 Part 5: 1977 which deals with *Preservative treatments for constructional timber*.

Drying times Normally dry after 24 hours, depending upon temperature and relative humidity.

Storage Store sealed, in a cool but frost-free place.

Ingredients Boron Salt. (Sodium borate)

Safety

Boron Salt is not officially classified as a poisonous substance, but normal precautions for working with wood preservatives should be observed. Whilst working wear gloves and do not eat or smoke. Do not *store Holzweg Boron Salt* in food or drink containers. Keep it away from plants (this includes compost heaps). Do not use it or dispose of it in any area where animals eat. Do not pour it into the sewage system. Boron salt is almost inert when dry. Any leftover solution should be allowed to dry out in a plastic container the re-crystallised salt should then be returned to the original container and stored for future use.

Risk class None

This technical information sheet is intended to provide guidelines for retailers and users. However, the user is responsible for testing the product on the intended surface to make sure that it is suitable for his or her requirements. This sheet was issued on 18 November 2005 and may be superseded by later editions.

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16 Great Guildford Street, SE1 0HS
Tel: 0207 450 2211. Fax: 0207 450 2212.
Email: info@ecoconstruct.com
www.ecoconstruct.com