BEECK'sche FARBWERKE

Technical Information Sheet, Rev. 04/2001

AGLAIA BORIC SALT IMPREGNATION

Concentrated water-borne alkali borate solution for preventive wood protection of supporting structures. Only for untreated, not directly exposed wood. Officially tested according to DIN 68 800-3. Absolutely free of organic solvents, heavy metal salts and volatile synthetic agents.

Ranges of Application:

AGLAIA BORIC SALT IMPREGNATION is ideal for preventive chemical wood protection of supporting or bracing wood components against wood-destroying fungi or insects. Application only underneath roofs (roof timbers, construction lumber) or outdoors in not directly rain exposed areas. Outdoors, not permanently leach-resistant even when coated with lacquers or glazes. Therefore, not suitable e.g. as an antistain primer for wooden windows.

Only use on untreated, if possible at the moment of treatment humid, absorbent wood. Not for precoated wood or after water-repellent treatment. Further treatment with AGLAIA Wood Glaze or lacquers.

Processing:

▶ For use with brush or spray gun: Apply AGLAIA BORIC SALT IMPREGNATION undiluted to saturation to wood in service. Minimum preservative retention: 0.2 l per m^2 wood.

▶ For steeping: Thin AGALAIA BORIC SALT IMPREGNATION with a max. of 10 parts water and preserve wood with at least 80 kg per m^3 of this solution.

▶ For pressure impregnation: Thin AGLAIA BORIC SALT IMPREGNATION with 30 parts water and preserve wood with at least 250 kg per m^3 wood.

For more detailed instructions refer to AGLAIA Test Certificate.

Thoroughly shake AGLAIA BORIC SALT IMPREGNATION before use. For steeping or pressure impregnation, thin with hot water (see above). Preferably to be used on construction lumber with a moisture content of > 20 %. Wood with a moisture of ≤ 30 % must be well water-sprayed prior to impregnation. Optimum penetration depth in wet wood. Ends of impregnated wood cut to size for installation must also be treated with AGLAIA BORIC SALT IMPREGNATION. Deposits of salt crystals resulting from drying can be removed with lukewarm water. Retreat drying cracks. To protect impregnated wood from leaching, store under roof or wrap in foil, etc. Prior to further treatment, the wood must be dried to a maximum moisture content of 16 % and protruding wood fibers must be sanded off.

Technical Features:

AGLAIA BORIC SALT IMPREGNATION is highly recommended for its biological and ecological capacities and for producing an agreeable room climate. Alkali borates are not hazardous to health if used properly and are not released to the room air (keyword: outgassing wood preservatives). Safe during application and service due to complete omission of organic solvents, heavy metal salts and synthetic biocides. AGLAIA BORIC SALT IMPREGNATION sustains the wood's natural absorption capacity. Purely preventive wood protection as no binders, no colorings and no water-repellent matters were added. General approval, testing and external monitoring according to DIN 68 800-3 through Construction Supervision Authorities (Test Notification Iv, P Z-58.1-1298). Recognized for its preventive effect against wood-destroying insects (Iv) as well as fungi (P). Use according to DIN 68 800-3 for hazard classes 1 and 2, except for wood in direct contact with food or animal feed.

Physical/Technical Characteristics:

Density:	1.09 g/cm^3
pH Value:	7.5
Viscosity:	water-like

Color tones:

Clear solution without pigments.

Drying:

Further treatment after drying to a max. wood moisture content of 16 %.

Yield:

Depending on absorption capacity and wood moisture content. Minimum preservative retention: see **Processing** or **Test Notification**.

Available Sizes:

0.25 l, 1 l, 3 l, 10 l, 30 l and 200 l.

Cleaning:

Clean appliances, tools and clothes immediately after use with hot water.

Storage:

Lasts at least 24 months when stored cool and frost free in the airtight sealed original container. After longer periods of non-usage, redissolve precipitating salts through heating and stirring.

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Composition:

Full declaration according to the quality standards of the Association for Natural Colors (AGN):

[1]: Tap water, Boric salts.

Explanation of Symbols:

[1] ... Raw material rate in product > 10%
[2] ... Raw material rate in product 1-10%
[3] ... Raw material rate in product < 1%

Surface and Pretreatment:

General Requirements:

The surface must be clean, untreated, hydrophilic and absorbent. If any, thoroughly remove grease and resin residues with AGLAIA BALSAM LACQUER THINNER. Sand wood that is particularly rough or smooth. Thoroughly moisten dry wood. (see Processing).

Further Treatment:

After drying to a wood moisture content of less than 16%, further treatment with AGLAIA WOOD IMPREGNATION PRIMER is recommended. Thus, the tendency to leaching during the transition period until the finish coat is applied after drying to equilibrium moisture is drastically reduced. Coloring through subsequent use of AGLAIA WOOD GLAZE; AGLAIA AQUASOL WOOD GLAZE; AGLAIA INTERIOR LACQUER or AGLAIA WEATHER PROTECTION LACQUER.

Outdoors, the use of AGLAIA BORIC SALT IMPREGNATION in combination with glazes for outdoors or weather protection lacquer is only possible under roof and protected from rain, e.g. for roof soffits or cantilever construction lumber. Consider leaching due to the formation of condensation water.

Safety Instructions and Disposal:

▶ Hazard Class: not subject to identification requirements under Toxic Chemicals Ordinance/ EU Directive.

Observe common industrial safety and environmental protection regulations. AGLAIA BORIC SALT IMPREGNATION has been approved for steeping and pressure impregnation as well as for application by brush or spray gun to stationary installations. Oberserve instructions given by the approving Construction Supervision Authorities in the Test Notification.

Keep from leaching into ground, surface water or sewage system. Chemically sensitive and environmentally ill persons, please pay attention to the full declaration. Keep out of reach of children. Do not dispose of organic coatings into the sewage system. Disposal of product remainders according to legal regulations. Disposal of empty containers through resource collection points.

▶ Waste Code: Product and Product Remainders (European Waste Code): 080199 (Coatings).

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