

biona Wood Stain Aqua industry

Item no. 8101, colorless

Item no. 81011, color

Properties biona Wood Stain Aqua industry is a water-soluble, very fast-drying wood glaze for hardwoods and softwoods for indoor and outdoor applications. It is free of organic solvents and forms weather-resistant, satin sheen finishes that are highly-elastic and water-repellent. It can be used to create transparent to opaque finishes. Suited for windows, doors, wood facades, fences, half-timbered construction, etc. The color-intensity of the coating is higher on sawmill lumber finishes.

The wood glaze only needs two coats on untreated wood. A primer is not needed. Only one coat is typically required for renovations.

The colored wood glazes can be mixed with each other in any user-defined ratio.

Ingredients of the wood glazes

Water, modified resin-soy oil fatty acid emulsion, pigments depending on hue, hard wax dispersion, wetting agents, anti-foaming agents, hydrophobization agent, iron drying agent.

Processing steps:

1. Preparation

Substrates must be dry (wood moisture content below 12%), clean, and have good adhesion. Surface sand and clean old coats with good adhesion. Remove old, loose coats, surface sand and clean substrate.

2. First coat

Thoroughly mix the wood glaze, then liberally apply an even coat with short-pyled roller, brush, or sprayer, moving expeditiously with the wood grain. Promptly spread runs and drips. Always completely finish painting closed fields and surfaces first.

For exterior cladding, not yet installed facade boards must be stained with the wood glaze on all sides.

3. Second coat

An undiluted second coat is applied for outdoor applications. As needed for indoors.

Technical spraying parameters

The wood glaze can be applied using conventional professional spraying methods, like airless/airmix, HVLP (High Volume/Low Pressure), cup gun. When working with a cup gun, we recommend an air pressure of approx. 2 bar and a nozzle diameter between 1.0 and 1.8 mm.

The spray quality depends on the selected nozzles and the spray pressure, which must be adjusted to the particular system.

4. Equipment cleaning

Immediately after use, place processing equipment in undiluted brush cleaner 0600, then wash with plenty of water the next day.

The information and instructions in the technical leaflet are binding. Prior consultation with the application engineering department of BIOFA is required if a deviation from these specifications is necessary. The generally accepted construction engineering practices must be observed. All previous information is null and void after the publication of this leaflet.

Thoroughly rinse spray equipment with a mixture of 1 part brush cleaner and 10 parts water.

Drying

The coat is dust-dry after max 2 hrs. and can be sanded and painted over after 6 hours (20°C / 50-55 % rel. humidity).

Consumption/yield per coat

Consumption depends greatly on the absorption and condition of the substrate. The following average values are based on smooth, sanded wood:

1. coat: 80-110 ml/m² or 9-12 m²/l.
2. coat: 60- 80 ml/m² or 12-16 m²/l

Consumption may double on sawmill lumber finishes.

Storage

Keep cool, away from frost, dry and properly sealed. Process opened container promptly. Minimum shelf life of unopened containers: 2 years!

Container

750 ml / 2,5 l / 10 l metal containers or metal bucket with varnish liner.

CENTER or get medical help. ON EYE CONTACT: Gently rinse with water for several minutes. Remove contact lenses when possible. Continue rinsing. Provide adequate skin protection! When sprayed, do not inhale airborne spray and wear respiratory protection. Only use in properly ventilated areas. Wear fine particulate mask when sanding! The natural ingredients may generate an odor typical for the product!

Disposal

Deposit liquid product leftovers and not fully emptied and cleaned containers at collection point for old paints/old varnishes, and/or dispose in compliance with local statutory regulations. Minor leftovers and soaked processing materials can be disposed in the household waste after drying out.

Only recycle fully emptied and cleaned containers.

German Waste Classification Directive [Abfallverzeichnis Verordnung - AVV] waste code iaw. European waste classification: 08 01 12

VOC labeling iaw. Decopaint directive and ChemVOCFarbV:

EU threshold (Cat. A/e): 130 g/l (2010)
8101, 81011 contain max. 15 g/l VOC

GIS CODE: M-KH01

Safety instructions

Keep away from children. Read label before use. WHEN INGESTED: For discomfort call POISON INFORMATION

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