

# Wood Stain Aqua industry

8101 colorless, 81011 colored

1 l - 2,5 l - 10 l



## Properties :

Wood Stain Aqua Industry is a water-thinnable, very fast-drying wood stain for hard and soft woods indoors and outdoors. The colorless wood stain 8101 is not suitable for exterior use. The colored wood stain forms a weather-resistant, semi-gloss surface, is highly elastic and water-repellent and fulfils the toy standard EN 71.3. It can be used to create transparent to opaque coats. Suitable for windows, doors, wooden facades, fences, timber framing, etc. Wood Stain Aqua is not suitable for horizontal surfaces that are subject to heavy mechanical abrasion (seating surfaces, children's toys) or must be re-treated accordingly depending on wear and tear. Wood Stain Aqua complies with the Toy standard DIN EN 71.3. The coating becomes more colour-intensive on rough-sawn wood. As a rule, two coats are sufficient on untreated wood. A third coat is recommended to extend the renovation interval and increase weather and fungal protection. Priming is not necessary. Aqua wood stain can be tinted ex works in many colours according to the BIOFA Filuc colour fan. The tinted wood stains can be mixed with each other in any ratio.



## Ingredients of the wood glazes:

Water, modified resin-soya oil fatty acid emulsion, rice husk wax, pigments according to color shade, wetting agent, defoamer, thickener, iron drier.

## Processing steps:

**1. Preparation** The substrates must be dry (wood moisture content below 12%), sound and clean. Sand and clean well adhering old coats. Remove old, loose coats of paint, sand and clean the substrate. Where required or necessary, pre-treat exterior areas with a commercially available blue stain primer. Multi-layer wood panels in exterior areas

must be primed with a fungicide.

Exposed end grain areas are coated with BIOFA End Grain Sealer 8403 (see Technical Data Sheet 8403).

**2. First coat** Thoroughly mix the wood glaze, then liberally apply an even coat with short pile 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** For exterior areas, apply a second or possibly a third coat undiluted. Indoors as required.

Important: Carry out preliminary tests! Ensure thorough ventilation indoors during application and drying. Do not apply below 12 °C, in high humidity or damp conditions or in direct sunlight on hot summer days. Mix containers of the same color from different batches before processing!

**Technical spraying parameters** The wood stain can be applied using standard professional spraying methods such as airless/airmix, HVLP (high volume/low pressure) and cup gun. When using a cup gun, we recommend an air pressure of approx. 3-4 bar and a nozzle diameter of 1.0 to 1.8 mm. The spray quality depends on the choice of nozzles and the spray pressure and must be adapted to the respective system.

**4. Cleaning and care of surfaces** Only clean the glazed surfaces with lukewarm water and a mild, diluted cleaning agent, e.g. BIOFA NACASA Universal Cleaner 4010. Harsh cleaning agents, soap suds, ammonia solutions and highly abrasive cleaning agents and equipment (microfiber) must be avoided at all costs.

The surfaces of weathered components are checked 1-2 times a year after cleaning. Minor damage is repaired immediately. Apply any necessary renovation coats quickly before damage such as fungal attack, blistering, graying, peeling, cracking, etc. occurs. In order to achieve a longer durability of the glaze surfaces, we recommend maintenance with BIOFA Glaze Refresher 5295 (please refer to the Technical Data Sheet for 5295).

**5. Equipment cleaning** Place tools in undiluted Brush Cleaner 0600 immediately after use and rinse thoroughly with water the next day. 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/m<sup>2</sup> or 9-12 m<sup>2</sup>/l.

2. coat: 60-80 ml/m<sup>2</sup> or 12-16 m<sup>2</sup>/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!

### 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.

EWC waste code according to the European Waste Catalogue: 08 01 12

### Hazard warnings/safety instructions:

**Caution! Hazardous respirable droplets may be produced when spraying. Do not inhale aerosol or mist. Contains 1,2-benzisothiazol-3(2H)-one. May cause allergic reactions. Advice for people allergic to isothiazolinone: Tel.: +49(0)7164-9405-0. Keep out of the reach of children. If medical advice is required, have packaging or labelling ready. Protect eyes and skin from contact. In case of contact with eyes or skin, rinse thoroughly with water. When spraying, do not inhale the spray mist and wear suitable respiratory protection (combination filter A2/P2) and safety goggles. Use dust filter (P2) for sanding work. Do not allow to enter soil, water or sewage system. A typical odour of the natural raw materials is possible!**

Safety data sheet available on request.

**GISCODE:** BSW10

**VOC labeling iaw. Decopaint directive and ChemVOCFarbV:**

EU threshold (Cat. A/e): 130 g/l (2010)

8101, 81011 contain max. 13 g/l VOC