

BIOFA AQUADUR Finishing Varnish exterior white, glossy, solvent free Art. Nr. 5112

Properties

Solvent-free, water-dilutable, high gloss, dirt- and water-repellent varnish made from natural raw materials for outside. This finishing varnish is characterised by its limited scratch resistance, very good coverage, excellent adhesion and high permanent elasticity.

The varnish is suitable for all types of wood outside such as e.g. windows, doors, railings, garage doors, wood cladding, etc. Also suitable for metal substrates after respective pretreatment.

Attention! The natural oils used may cause yellowing if surfaces are exposed to only little light or exposed to thermal stress.

Important: BIOFA products for outside are designed to round off the structural protection of wood. According to the BIOFA philosophy we do without hazardous substances in our products as far as possible. This is why the structural protection of wood must always be taken into consideration (DIN 68800-2(4)). In addition to the correct implementation of the construction, the correct choice of the wood type or quality is decisive. The durability classes according to DIN EN 350-2 and the resistance classes according to DIN 68364 provide information on the stress resistance of wood in different weather situations. In some cases, chemical wood protection cannot be avoided. This is why DIN 68800 specifies in detail how to use such products.

Ingredients

Water, titanium dioxide, linseed oil, non-crystalline silicate, fatty acid alcohol ester, swelling clay, cobaltbis(2-ethylhexanoate), zirconium and calcium octoate dryer, Contains methylisothiazolinon (See below for allergy hotline!).

Instructions for use:

1. Pretreatment

Substrates must be dry (max. 12% wood moisture), stable, in good condition and free of soiling. Remove old, brittle paint coats. Round off edges thoroughly. Thoroughly wash wood containing tannic acid (e.g. oak) or tropical wood (e.g. Framire) with white spirit or ethyl alcohol prior to the initial treatment and allow to fully dry. Final sanding as of P 120.

2. Basecoat

Prime wood with Vorstreichfarbe (Undercoat) 1210, metal components with an adequate Anticorrosive Paint. Sand primer with P 180-220 when fully dry.

3. Intermediate coat and topcoat

Stir varnish thoroughly. Then apply two coats (70-80 µm wet film thickness per coat) by brush or roller. Only use soft, long-haired, split acrylic varnish or glaze brushes. Carry out intermediate sanding with grit size P 220 between coats.

Sprayer Technical Data:

Cup gun with compressed air: Nozzle 1.8-2.2 mm, spray pressure 3-5 bar (dilute with approximately 5-10% water).

Airless spraying: Nozzle 0.011-0.015 inch, pressure 60-120 bar, spray angle approximately 20°.

Important: Carry out preliminary tests!

Mix containers from different charges before use! Provide optimum fresh air circulation during product application and drying indoors! Do not apply below 12°C and at above 80% air humidity!

The data and information provided in this technical data sheet are binding. If it is necessary to deviate from these provisions, the Application Technology Department of BIOFA must be consulted in advance. The general rules for structural engineering are to be complied with. With publication of this technical data sheet all previous data sheets regarding this product are no longer valid.

Attention!

Leave tools in varnish during breaks. Do not rinse or store in water.

4. Cleaning of tools

Wash out with BIOFA Brush Cleaner 0600 and water immediately after use.

Leave brushes or rollers with dried-on paint to soak in brush cleaner at least 24 hours.

Drying

Dust dry after 6-8 hours, sandable and recoatable after 16-24 hours (20°C/50-55% rel. air humidity). The varnish is fully dry after 7 days.

Very high film thickness, unfavourable climatic conditions, application to wood containing tannic acid (e.g. oak, chestnut, etc.) or to tropical wood may slow down the drying process.

Consumption/spreading rate per coat

Application by brush/roller: approx. 80-100 ml/m² or 10 -12 m²/l.

Storage

Cool but frost free, dry and sealed airtight. Skin formation is possible. Remove skin prior to renewed use. If necessary, sieve varnish. Minimum shelf life of unopened containers: 1 year!

Container size

0.375 l / 0.75 l / 2.5 l / 5.0 l metal containers varnished inside.

Safety instructions

Attention! Store work materials such as rags, sponges, clothes, sanding dust, etc. soaked with the product in airtight metal containers or rinse, spread and allow to dry on non-inflammable surface (**risk of spontaneous ignition!**). The product itself is not self-igniting.

Contains Cobaltbis(2-ethylhexanoat). The product itself is not self-igniting, but is flammable. Can cause allergic reactions. Keep

out of reach of children. Do not inhale vapours or aerosol. Use only in well-ventilated areas. When heating or spraying, explosive vapour/air mixtures can be generated! Wear fine dust mask when sanding or grinding. Wear adequate skin protection when preparing! There may be an odour typical of the natural raw materials!

Disposal

Dispose of liquid product residue at collection points for old paints/varnishes or dispose of according to locally applicable regulations. Small quantities of residue and soaked work materials can be disposed of along with domestic waste after drying.

Only recycle cleaned or completely empty packaging with cured deposits or dispose of according to locally applicable legal regulations. Uncleanable packaging and packaging not emptied appropriately must be treated and disposed of like the product!

VOC identification according to Decopaint Directive and ChemVOCFarbV (Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in paints and varnishes):

EU limit value (cat. A/d): 130 g/l (2010)
5112 contains max. 1 g/l VOC.

Waste Incineration Ordinance[AVV]-
Waste Code according to European Waste Catalogue: 08 01 12

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