

VERNIDUR
Finishing Varnish, white, glossy
for outside
Art. No. 1216

Properties

Glossy, weather-resistant, dirt- and water-repellent varnish with good coverage made from natural raw materials for outside. Suitable for all wooden substrates outside such as windows, doors, railings, wooden cladding, etc. Also suitable for metal substrates after appropriate pretreatment. The cured varnish film complies with the toys standard EN 71, part 3, and DIN 53160 (perspiration and saliva proof).

The natural oils used may cause yellowing if applied to surfaces with little exposure to light or exposed to thermal stress.

Attention! 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 is inevitable. This is why DIN 68800 specifies in detail how to use such products.

Ingredients

Ricin oil, titanium dioxide, aliphatic hydrocarbons, barite, talcum, colophony resin ester, buccinic acid ester, cobaltbis(2-ethylhexanoate), zirconium octoate-drying agent, swelling clay, antioxidants.

Instructions for use:

1. Pretreatment

Substrates must be dry (max. wood moisture 12%) and free of soiling. Remove old, brittle paint coats. Wash wood containing tannic acid (e.g. oak) and tropical wood (e.g. framire) with white spirit or ethyl alcohol thoroughly and allow to dry before initial treatment. Final sanding as of P 120.

2. Basecoat

Prime wood with BIOFA Vorstreichfarbe (Undercoat) 1210. Prime metal components with BIOFA Rostschutzfarbe (Anticorrosive Paint) 1220. Allow to fully dry and sand with P 180-220.

3. Intermediate coat and topcoat

Stir well before use. If necessary, dilute with BIOFA Verdünnung (Thinner) 0500. Apply rather thinly by brush or roller. The product can also be applied by spray equipment (see chapter 3a). Usually two thin coats are applied. If necessary, carry out fine intermediate coating with P 220.

Important: Implement preliminary tests. Mix containers from different charges before using. Provide optimum fresh air circulation during product application and drying indoors! Do not apply below 12°C.

3a. Spray application

Cup spray gun: Dilute varnish up to max. 10% with BIOFA Verdünnung (Thinner) 0500 (efflux time in DIN 4 mm cup: approx. 80-100 seconds), 1.5-1.7 mm spray nozzle, 3-3.5 bar spray pressure.

4. Cleaning of tools

Clean with BIOFA Verdünnung (Thinner) 0500 immediately after use. Soiled thinner

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can be reused by allowing the sediment to settle and decanting the clean thinner.

Drying

Dust dry after 4-6 hours, sandable and recoatable after 16-24 hours, fully dry after 7 days (20 °C/50-55% rel. air humidity).

Consumption/spreading rate per coat

Brush/roller: 80-100 ml/m² or 10-12 m²/l.

Spray equipment: 50-70 ml/m² or 14-20 m²/l.

Storage

Cool, dry and sealed airtight. Skin formation is possible. Remove skin prior to use. If necessary, sieve varnish!

Container size

0.75 l / 2.5 l / 5.0 l metal containers.

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!**).

Product itself is not self-igniting, but is flammable. Contains cobaltbis(2-ethylhexanoate). Can allergic reactions. Keep out of reach of children. Do not inhale vapour/ 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 residues at collection points for old paints/varnishes or dispose of according to locally applicable legal 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): 300 g/l (2010)
1216 contains max. 290 g/l VOC.

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

GISCODE: M-LL 05

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