EXTERIOR

BIOFA

Item no.
5141, 5142

VERNILUX Aqua Enamel Paint

Exterior, water-based, semi glossy

white 5142: 375 ml - 1 l - 2,5 l
colored 5141: 375 ml - 1 l - 2,5 l





Natural enamel paint for windows, doors, railings, garage doors, wooden facades, etc. in outdoor areas
For absorbent wood surfaces as well as for metal substrates metal substrates treated with rust protection!

- **Crystal Clear Ingredient Declaration (www.biofa.de)**
- **Made with natural raw materials ***
- **solvent-free**
- **water-dilutable**
- **resilient**
- **very good adhesion and high coverage**
- **Water and dirt repellent**
- **High proportion of renewable raw materials ***
- **fast drying**
- **low odour**
- **low yellowing**

Properties:

BIOFA VERNILUX Aqua is a water-thinnable, resistant and water-repellent varnish made from renewable and mineral raw materials. It has a very good covering power and adhesion and a high permanent elasticity. The varnish is suitable for all exterior wooden components, e.g. windows, doors, railings, garage doors, facades etc. Pre-treat metal substrates accordingly first. BIOFA VERNILUX Aqua can be tinted ex works in many different colours according to the RAL color chart.
Attention! BIOFA products for exterior use are intended to round off structural wood protection. Therefore, structural wood preservation must be observed during planning and execution (DIN 68800-2(4)). Horizontal surfaces with standing water are to be avoided. Vertical timbers must be sealed from below so that no water can rise.

* Ingredients:

Water, binder emulsion based on soya oil fatty acid, titanium dioxide, chalk, talc, polyhydric alcohol, pigments according to shade, wetting agent, swelling clay, defoamer, zinc and iron drier, surface additive.

56 per cent water and renewable raw materials
29 per cent mineral and metallic raw materials
15 per cent chemical-synthetic and fossil raw material

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.
BIOFA Naturprodukte W. Hahn GmbH, Dobelstr. 22, D-73087 Bad Boll Germany, www.biofa-de.com, Tel. 07164-9405-0, Fax 07164-9405-96

EXTERIOR

BIOFA

Item no.
5141, 5142

Processing steps:

1. Pre-treatment: The substrate must be dry (wood moisture max. 12%), clean, load-bearing and grease-free. Remove old loose layers of paint. Sand intact layers matt. Round off edges well. Wash off tannic acid-containing woods (e.g. oak) or tropical woods (e.g. framire) thoroughly with turpentine substitute or methylated spirit before initial treatment, allow to dry well. Final sanding from P 120.
2. Priming coat: Prime untreated wood substrates with BIOFA Primer Aqua 1211, metal parts at risk of corrosion, zinc and galvanised substrates with suitable rust protection paint. After complete drying, sand with P 180-220.
3. Intermediate and final coat: Stir the varnish thoroughly. Can be diluted with 3-5% water if necessary. Then apply two coats (70-80 µm wet film thickness per coat) with a brush or roller. Use only soft, long-haired, split acrylic paint brushes or BIOFA microfibre paint rollers. Sand between coats with grit P 220.
For application by spraying, dilute the varnish with 5-10% water and adjust spraying parameters such as pressure, nozzle diameter, etc. to the respective spraying and application method.
4. Cleaning of tools: Wash out immediately after use with BIOFA Brush Cleaner 0600 and water. Leave dried brushes or rollers in the brush cleaner for at least 24 hours.

Important: Carry out preliminary tests! Mix containers from different batches before application! Do not use below 12°C and humidity higher than 80%! Ensure thorough ventilation during application and drying.
Attention! Leave the tool in the paint during painting breaks. Do not rinse or store in water.

Recommended Equipment:






1. **009909 / 009910 /** Flat brush , professional quality 40 mm / 60 mm for waterbased products
2. **009935** Lacquer ring brush, professional quality 28 mm
3. **009951 / 009980 /009982** Varnish roller microfiber 100 mm / 180 mm / 250 mm
4. **009952 / 009996 / 009954** Roller bracket 100-120 mm / 180-200 mm / 250-270 mm
5. **009973** Tool handle
6. **0600** BIOFA Brush Cleaner for cleaning working equipment

Drying:

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

Consumption/yield per coat:

Brush/roll: approx. 60-80 ml/m² or 12 -16 m²/l.

Storage:

Store in a cool but frost-free place, dry and well closed. Skin formation possible. Remove the skin before using again. Sieve the varnish if necessary!

Container:

Metal can

Disposal:

Deposit liquid product leftovers at collection point for old paints/old varnishes, and/or dispose in compliance with 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. Not completely emptied and cleaned containers must be treated and disposed like the product!

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

Hazard warnings and safety instructions:

Caution! Spraying may produce hazardous respirable droplets. Do not inhale aerosol or mist. Keep out of the reach of children. If medical advice is needed, have packaging or label at hand. Do not get in eyes, on skin or on clothing. Wear protective gloves/eye protection. In case of contact with eyes or skin, rinse immediately with plenty of water. Wear suitable respiratory protection (combination filter A2/P2) and safety goggles when spraying. Use dust filter P2 for grinding work. Do not allow to enter drains, water courses or soil. A typical odour of the natural raw materials is possible!

Safety data sheet available on request!

VOC labeling law. Decopaint directive and ChemVOCFarbV:
EU threshold (Cat. A/d): 130 g/l (2010)
5141-5142 contains max. 12 g/l VOC

GISCODE: BSW10

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.
BIOFA Naturprodukte W. Hahn GmbH, Dobelstr. 22, D-73087 Bad Boll Germany, www.biofa-de.com, Tel. 07164-9405-0, Fax 07164-9405-96