

BIOFA Universal varnish, transparent Article No. 2050, glossy Article No. 2051, semi-gloss

Properties

BIOFA universal varnish is a colorless, durable, abrasion-resistant, dirt and water-repellent clear varnish made from natural oils and resins for wood and cork floors, furniture and interior built-ins. The coating should not be used on surfaces with permanent moisture exposure. **Attention:** Odors may form if used on interior furniture surfaces! !

Meets the requirements of the parquet standard DIN EN 14342

DIBt approval number: Z-157.10-104

Ingredients

Aromatic-free, highly-purified white spirit, ricin oil - colophony resin blend, safflower oil, colophony resin solution, matting agents, micro-wax, zinc oxide, swelling clay, wetting agents, anti-foaming agents, cobalt-polymer drying agent, zirconium, calcium, and manganese drying agents, antioxidant.

Processing steps:

1. Preparation

The substrate must be dry (max. wood moisture content: 12 %), free of dirt and grease; clean with BIOFA thinner 0500 as needed. Remove all traces of old paint coats. Sand floors with 120 grit screen, and with 180-240 grit or appropriate plastic pads on furniture surfaces. Note the adhesive curing time on newly installed flooring.

2. Base coat

Thoroughly mix universal varnish; dilute with 20-30% BIOFA thinner 0500, and apply an even, thin coat with brush, roller, or sprayer. In order to minimize solvents, a primer coat can also be applied with BIOFA universal hard primer 3755 solvent-free. We generally recommend this in flooring applications. Sand between coats after 16-24 hours of drying time. Floors: 150-180 grit screen, furniture: 180-240 grit sandpaper or corresponding plastic pads.

3. Intermediate and topcoats

Depending on need and traffic load, apply 1-2 additional thin and even coats of BIOFA universal varnish. Sand between coats prior to the final coat as needed. Flooring from wood and cork is generally given 2 more topcoats with universal varnish.

Another coat may be required for any resulting uneven finishes, or on highly absorbent and high-traffic substrates.

Important: Mix containers from different batches before processing! Be sure to test product before proceeding! Ensure sufficient fresh air circulation when processing and drying the products! Failure to observe these instructions may result in long-term odor exposure. Do not use below 12°C!

4. Equipment cleaning

Immediately after use with thinner 0500. Used thinner can be reused by decanting following a settling phase.

5. Cleaning and caring for the finish

Use a soft, dry rag. For wet cleaning, use a pH-neutral, mild cleaning agent in lukewarm water. We recommend NACASA universal cleaner 4010 (BIOFA dealer).

See special cleaning and care instructions for floor surfaces!

Technical spraying parameters

Spraying: Compressed air with cup gun: Nozzle: 1.5-1.8 mm, spray pressure: 2.5-3.5 bar.

Airless: Nozzle: 0.23-0.28 mm, spray pressure 4 bar, material pressure: 80 bar.

The parameters must be adjusted to the particular equipment systems. Do not use with hot spray method!

Drying:

Dust-dry after 6-12 hours, can be sanded and coated over after 16-24 hours. Floors can sustain light use after 3 days, full use after 7 days (20°C/50-55% rel. humidity). Heating and good

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air circulation will accelerate drying. Drying may be inhibited in low temperatures, high ambient humidity and substrate moisture, and with tannin-rich woods, tropical woods, and cork.

Consumption/yield

Construction codes (DIBt) require that a primer coat with universal hard primer solvent-free 3755 must be followed by two coats of universal varnish 2050 or 2051 with 25 g/m² or 28 ml/m² each.

The following consumption quantities and yields apply if only universal varnish 2050 or 2051 is used:

1st coat: approx. 60-80 ml/m² or 12-16 m²/l.

2nd and 3rd coat each 45-60 ml/m² or 16-22 m²/l.

An additional coat may be required on highly absorbent substrates or in high-traffic areas.

Consumption and yield greatly depend on the absorption and condition of the substrate.

Storage

Keep cool, dry and properly sealed. May form skin. Remove before next use and screen varnish as needed.

Container

0.75 l / 2.5 l / 10 l metal containers.

Hazard warnings

Poisonous for water organisms with long-term effect.

Safety instructions

Store processing materials and clothing soaked with product in air-tight metal containers, or soak in water, then spread out and allow to dry on non-combustible ground —(**auto-ignition risk!**) The product itself is not auto-ignitable.

Keep away from children. WHEN INGESTED: Immediately call POISON INFORMATION CENTER or get medical help. DO NOT induce vomiting. Read label before use. Do not inhale vapor/aerosol. When sprayed, ensure adequate vacuum collection and respiratory protection. Only use in properly ventilated areas.

Explosive vapor/air mixtures can be generated when heated or sprayed! Ensure adequate skin protection when processing. Wear fine particulate mask when sanding! Avoid release into the environment. The natural ingredients may generate an odor typical for the product!

Disposal

Deposit liquid product leftovers 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. 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 11*

VOC labeling iaw. Decopaint directive and ChemVOCFarbV:

EU threshold (Cat. A/i): 500 g/l (2010)

2050, 2051 contain max. 490 g/l VOC

GIS CODE: Ö 60+

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