



Hard Oil Aqua

8045 semi gloss, colorless

8245 mat, colorless and 82451 mat, colored

375 ml - 1 l - 2,5 l



**Primer and topcoat for floors, furniture, interior fittings and toys.
For absorbent surfaces made of wood, cork, three-layer boards,
FU, MDF and OSB boards.**

- fully declared
- made with natural ingredients **
- breathable and anti-static
- durable, water-repellent
- low yellowing
- comply with the EN 71 Part 3 toy standard
- 8245 and 82451 comply with DIN 53160 regarding weld and spoke resistance
- 8045 complies with the stain test in accordance with DIN 68 861-1-2011

Features:

Aqua Hard Oil is a water-dilutable coating for interior wooden surfaces. It brings out the natural texture of the treated surfaces and produces a satin or matt, hard-wearing and water-repellent finish that is largely resistant to yellowing. For efficient, time-saving surface treatment of wooden floors, interior fittings and the interior and exterior surfaces of furniture. Suitable for priming and as a top coat. Both oils comply with the EN 71.3 toy standard; Aqua Hard Oil Satin passes the stain test in accordance with DIN 68 861-1-2011, whilst Aqua Hard Oil Matt meets the DIN 53 160 standard for resistance to sweat and saliva.

Hartöl Aqua has been tested for slip resistance in accordance with the Swiss bfu/EMPA criteria and has the following GS values: Smooth rubber: GS 2; Fine-grooved rubber: GS 3; Coarse-grooved plastic: GS 3; Smooth leather: GS 1. The delivery viscosity of Hartöl Aqua is 30-40 seconds in a DIN 4 flow cup.

Aqua hard oil can be tinted ex-works in a wide range of colours

according to the BIOFA Filuc colour chart. The tinted wood glazes can be mixed together in any proportion.

** Ingredients:

Water, aliphatic polyurethane dispersion based on castor oil, rice wax dispersion, polysiloxanes, polyhydric alcohols, preservatives: benzisothiazolinone and a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

8045:

81 per cent water and renewable raw materials
0 per cent mineral and metallic raw materials
19 per cent chemical-synthetic and fossil raw material

8245:

79 per cent water and renewable raw materials
2 per cent mineral and metallic raw materials
19 per cent chemical-synthetic and fossil raw material



Steps:

1. Preparation: The substrate must be dry (maximum wood moisture content 12%), absorbent and free from dirt and grease. Remove any old paint. Finish sanding furniture surfaces with 240-grit sandpaper and floors with 150-180-grit sandpaper.

2. Coating: Stir the BIOFA Hard Oil Aqua thoroughly and apply a thin, even coat using a short-pile velour roller, a brush or by spraying. The product can be applied using standard professional spraying methods such as airless/airmix, HVLP or a 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 1.5 mm. For roller application, it is generally advisable to use foam rollers. After approx. 6 hours, intermediate sanding is carried out using 150 to 180 grit on floor areas, or 240 grit on furniture. A second coat is then applied as described above.

If a strong colour build-up is desired, apply a uniform cross-hatch coat of BIOFA Universal Hard Primer (item no. 3754, solvent-based) using a short-pile floor roller. After approx. 30 minutes, any excess primer that has not been absorbed should be evenly distributed to areas that are still absorbent using a rubber squeegee, or wiped clean (it is essential to follow the technical data sheet for 3754!). Allow the surfaces to dry for 16 to 24 hours and carry out an intermediate sanding with 150-180 grit on floor areas or 240 grit on furniture surfaces. Subsequently, apply a second coat of BIOFA Hartöl aqua as described above.

Important: Aqua Hard Oil dries quickly and must be applied promptly and without leaving any streaks. Always carry out a test application! Mix containers from different batches before use! Do not apply at temperatures below 16°C! Ensure good air circulation during application and drying!

3. Cleaning the tools: Clean immediately after use with soap and water or BIOFA Brush Cleaner (item no. 0600).

4. Cleaning and care of surfaces: Dry clean using a soft broom, cloth, mop or vacuum cleaner brush. For wet cleaning, use a mild, pH-neutral detergent in lukewarm water. We recommend BIOFA NACA-SA Universal Cleaner 4010.

Drying:

Dust-dry after 2 hours; can be sanded and recoated after 6 hours (20°C / 50-55% relative humidity).

Surfaces coated with BIOFA Hardwood Oil Aqua are fully load-bearing after 2 days. Drying may be delayed in low temperatures, high ambient and substrate humidity, and when used on woods containing tannins or tropical woods.

Recommended tools:



1. 009949 / 009934 Flat brush 50 mm / 70 mm for oily products

1. 009942 Flat brush, 240 mm

2.009951 / 009980 /009982 Microfibre paint roller

3. 100 mm / 180 mm / 250 mm

4.009952 / 009996 / 009954 Roller bracket for

5. 100-120 mm / 180-200 mm / 250-270 mm roller

6.009973 Handle for paint roller and flat brush

7. 0600 BIOFA Brush Cleaner for cleaning tools

Consumption/coverage per application:

1. Application rate: 70-80 ml/m² or 12-14 m²/l

2. Application rate: 60-70 ml/m² or 14-17 m²/l

Consumption and coverage depend heavily on the absorbency and nature of the surface.

Storage:

Store in a cool, frost-free, dry place and keep tightly sealed.

Packaging:

Tin cans or buckets with a white interior

Disposal:

Dispose of any remaining liquid product and any containers that have not been completely emptied and cleaned at a collection point for waste paints and varnishes, or dispose of them in accordance with the relevant local or national legal requirements. Small residual quantities and soaked work materials can be disposed of with household waste once they have dried out.

Only put completely empty and clean containers out for recycling.

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



Hazards and safety instructions:

Contains 1,2-benzisothiazol-3(2H)-one and a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

May cause an allergic reaction.

Advice for people with allergies:

Tel.: +49(0)7164-9405-0. Keep out of reach of children. If medical advice is needed, have the container or label at hand. Avoid contact with eyes, skin or clothing. In case of contact with eyes or skin, rinse immediately with plenty of water. Ensure adequate skin protection! When applying by spraying, do not inhale the spray mist and wear suitable respiratory protection (combination filter A2/P2) and safety goggles. When sanding, use respiratory protection (dust filter P2). Do not allow to enter the drainage system, watercourses or the ground. The product may have a characteristic odour.

Safety data sheet available on request.

VOC labelling in accordance with the Decopaint Directive and the ChemVOCFarbV:

EU limit value (Cat. A/i): 140 g/l (2010)

8045 and 8245 contain a maximum of 40 g/l VOC

GISCODE: BSW10