



Aqua OWF-68/tm Weather Protection Oil Finish [eco]

Durable, cloth matt, texture-preserving opaque coating with sealing properties, made from renewable raw materials, for interior and exterior wood in sensitive areas



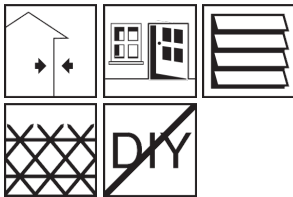
Colour	Availability		
	Quantity per pallet	200	96
	Size / Quantity	2,5 l	5 l
	Type of container	Tin bucket	Tin bucket
	Container code	03	05
	Art. no.		
white (RAL 9016)	7740	■	■
special colours	7741	■	
base C (pre-filling 95%)	015177	■	■

Application rate

Approx. 80 - 100 ml/m² per coat
 White and light colours: 3 coats
 Medium and dark colours: 2 coats



Range of use



- For use on interior and exterior wood
- Dimensionally stable wood building elements: e.g. windows and doors
- Wood building elements with limited dimensional stability, e.g. folding shutters, matchboarding, summerhouses
- Wood building elements with no dimensional stability: e.g. fences, framework, carparks, planking
- Primer, intermediate and finishing coats
- Wooden beehives, bee boxes and other wooden elements used in beekeeping
- Playground equipment
- Sustainable building suitable for building certifications DGnB, LEED, BNB
- Do not apply to freshly impregnated wood. Observe fixation time.
- On chairs, benches etc., apply a subsequent protective coating of Aqua OML-48/tm [eco] clear to prevent staining.
- For use by professionals

Property profile



- Water-based with a very low solvent content
- Block resistant (in accordance with Code of Practice HO.03)
- Non-drip
- Refined cloth-matt surfaces
- Good flow properties
- Elastic
- Does not flake
- Weather-resistant and UV-resistant
- Less discolouration due to water-soluble substances in the wood
- Made from at least 70% renewable raw materials
- Bee-friendly formula
- Breathable
- A vegan product based on the information available to us
- Classified as non-spontaneously combustible according to EPH test report*

Characteristic data of the product



Binder	Based on plant oils and biomass-balanced binder
Density (20 °C)	Approx. 1.2 g/cm ³
Odour	Mild
Degree of gloss	Cloth matt

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- > **DIN EN 71-3 "Migration of certain elements"**
- > **Certificate - bee-friendly formula**

Test standards

Low-emissions according to the AgBB scheme

Possible system products

- > **Aqua IG-15 Impregnation Primer IT* (7145)**
- > **Induline SW-910 (3777)**
- > **Aqua AG-26 Universal Primer (7147)**
- > **Aqua PL-413 Parquet Varnish (2374)**

*Use biocidal products carefully.
Always read the label and product information before use.

Preparation

■ **Substrate requirements**

The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner.
Dimensionally stable wood building elements: wood moisture content 11-15%
Wood building elements with limited or no dimensional stability: wood moisture content max. 18%

■ **Substrate preparation**

Thoroughly remove any dirt, grease and non-adhering old coatings.
Sand grey and weathered wood surfaces down to sound, bright wood.
Remove any loose and torn knots as well as resin that bleeds from the wood and clean with a suitable product (e.g. V 101 Thinner, a nitrocellulose or universal thinner).
In order to avoid the use of wood preservatives as far as possible, the construction should be designed to be water-repellent (avoid horizontal surfaces, open end-grain wood, capillary joints, water and moisture accumulation points, contact with splash water, sharp edges). Pre-treatment with Wood Impregnation [eco] improves the hydrophobic effect.
Exterior wood that needs to be protected against soft rot and blue stain must be pre-treated with a suitable wood preservative* - not necessary for interior wood (*Use biocides safely. Always read the label and product information before use).
With water based coating systems, there is always a residual risk that substances contained in the wood will cause discolouration.
To avoid bleeding of substances in the wood into adjoining building elements (e.g. infilling in framework areas), treat the wood all round.
Old weathered carbolineum coatings can only be coated with dark colours. Always test first with a trial coating. Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".

Directions



■ **Conditions for use**

Optimum temperature of the material, air and substrate: from min. +10 °C to max. +25 °C.
Relative humidity 50% - 65%.

Stir well.
Application by brush, spraying
Flow cup gun: nozzle size: 2.0 - 2.5 mm; atomiser air pressure: 2.0 - 3.0 bar.
Air-mix spraying: nozzle size: 0.28-0.33 mm; material pressure: 70-90 bar, atomiser air pressure 1-2 bar.
Airless spraying: nozzle size: 0.28-0.33 mm; material pressure: 70-90 bar.
Apply a second coat once the first has dried.
Apply a further coat if required.

Protect end-grain surfaces against water ingress by applying multiple coats of the material in the corresponding colour. Alternatively, coat the end-grain surfaces with Induline SW-910 before applying the final coat.
Seal opened containers well and use contents as soon as possible.

Tips on use



Check colour, adhesion and compatibility with the substrate by setting up a trial area.
Before coating technically modified woods and wood-based materials, apply the product to a trial surface and conduct a suitability test on the desired area of use.
Do not use below +5 °C
If the temperature is too low or the humidity too high, it will take longer for the material to reach the desired properties.
Do not use on wood impregnated with boron salts.
Ensure sufficient ventilation when applying indoors.



Areas that are being coated or dried should be protected against rain, wind, sunlight and condensation. The colour shown on the sample does not appear until the material has dried.

***Information about self-ignition**

In external tests, the tested product exhibited significantly lower reactivity than conventional reference products that dry by oxidation. The risk of self-ignition is therefore classified as lower. It should be noted that the tests carried out by EPH could not take into account all possible scenarios that might occur in practice. For example, contact of objects and media contaminated with this product, such as rags or dust, with other highly flammable agents, such as dust containing cellulose nitrate or certain solvents, could lead to conditions that result in ignition.

Avoid excessive overspray.

Leave fresh spray mist to dry for at least 48 hours before sweeping up.

Collect spray mist in fireproof waste containers and spray regularly with water to prevent self-ignition of the spray mist, especially if large quantities accumulate.

■ **Drying**

Dust-dry: after approx. 1 hour

Overcoating: after approx. 6 hours

Practice values at +20 °C and 65% relative humidity.

Low temperatures and high humidity delay drying.

Drying may take longer depending on the type of wood, e.g. oak, due to substances it contains.

■ **Thinning**

Ready to use

Notes

DIN EN 71-3 "Migration of certain elements":

This product complies with the limits for the migration of heavy metals to children's toys according to DIN EN 71-3 and thus fulfils one of several further requirements for the safety of children's toys according to the EU "Toy Directive" (2009/48/EC).

Bright (especially white), solvent-based and water-dilutable oil and alkyd resin paints will exhibit varying levels of yellowing during their useful life.

Brilliant, pure, intensive colours have a lower hiding power due to their pigments. We recommend fully pre-coating such areas with a matching coloured primer if using critical colours.

When using a transparent protective coating (e.g. in order to make the surface more mechanically resistant or to prevent pigment abrasion), slight changes in the colour may occur.

On planed larch and softwoods with a high resin content, the coating may have reduced adhesion and resistance to weathering. This is especially the case on horizontal year rings, knots and areas of winter growth that are high in resin. Maintenance and renovation must be carried out more frequently on these surfaces. The only remedy for this is pre-weathering or very coarse sanding (P80). If these wood types are rough-sawn, considerably longer maintenance and renovation intervals are to be expected.

Observe the regulations concerning design principles for wood protection.

Do not use on horizontal surfaces without drainage slopes and without edge radius, avoid accumulated moisture.

Tools / Cleaning

Paintbrush with synthetic bristles, flat brush, flow cup gun, airless/airmix spraying equipment

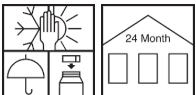


Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use.

Ensure that any residue from cleaning is disposed of correctly.

Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 months.



Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with a particle filter P2 must be worn during spraying, together with protective goggles. Wear suitable protective gloves and clothing.

EU Ecolabel

DE/044/052E

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.



Biocidal Products Regulation

Contains a biocidal product (in-can preservative) with the biocidal agents CMIT/MIT (3:1) for protecting the container content from deterioration by microbial organisms (germs, yeast, etc.). Please note the processing guidelines carefully!

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (cat A/d): max. 130 g/l (2010).
This product contains < 5 g/l VOC.

VOC	
Kat.	A/d
2010:	130g/l
max.:	5g/l

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.