

UniversalLasur Aqua

The renewable

In the production of the binder, gold-of-pleasure oil is used as a renewable raw material.



Product Description

Field of Application

Suitable for moisture proofing and colouring of dimensionally stable wood construction elements, such as windows and outer doors, wooden parts with limited stability, e.g. wooden boards with tongue and groove, window shutters, gates, timber framing, etc., and for wooden parts of unstable shape, like external panelling, fences, pergola, carports and balcony balustrades. Only suitable for exterior use! The product is provided with a preservative against deterioration in the coating film due to fungal attack (fungi/mildew/mould). Windows and outer doors may be coated on all sides.

Material Properties

- For all wooden construction elements
- Water-dilutable
- Low odour
- Water-repellent/hydrophobic (Hydroperl effect)
- Excellent UV resistance due to UV blocker
- Highly diffusion-capable
- Non-blocking
- The glaze is temporarily protected against fungal attack

Material Base / Vehicle

Alkyd resin and acrylate-hybrid binder

Packaging/Package Size

750 ml, 2.5 litres

Colours

Standard Colours:

Transparent, Pine, Oak, Nut tree, Rosewood, Ebony.

ColorExpress:

Tintable in numerous colour shades via the ColorExpress tinting machine system.

Gloss Level

Mid sheen: Silk-matt up to satin-gloss, depending on absorbency and texture of the wood surface.

Storage

Keep in a cool, but frost-free place.

Technical Data

- Density: Approx. 1.0 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
-	-	-	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				



Application

Suitable Substrates

Dimensionally stable wood construction elements, parts with limited stability or wood of unstable shape on exterior surfaces of buildings. Horizontal surfaces must be masked, e.g. with suitable protective steel sheets. The principles of constructional wood preservation are to be followed. The penetration of run-off rain water/rainfall into the structure must be avoided (prevent stagnant moisture). Provide for sufficient splash water protection.

The substrate must be clean, sound/stable, and free from all substances that may prevent good adhesion. Check existing coatings for stability and compatibility. Max. permissible wood moisture: 15 % (has to be checked prior to the application). Board-like wood material/composite panels must be approved for exterior use on facades and compatible for being coated. Follow information supplied by the manufacturer.

In Germany: Follow BFS Data Sheet No. 18.
Do not use on cement-containing boards/building materials. The suitability of product for use on board-like wood material/composite panels cannot be generally warranted, thus the compatibility has to be checked very thoroughly. Do not use on flooring and roofing.
In Germany: Observe intervals for care and maintenance according to BFS Data Sheet No. 18, attachment C.

Substrate Preparation

New Wood Surfaces:

Sand/grind even surfaces in fibre direction, clean thoroughly, remove seeping wood components, e.g. resins and resin galls.

Existing Wood Surfaces:

Sand/grind off greyed, weathered surfaces to the stable substrate and clean thoroughly.

Coated Wood Surfaces:

Remove unstable existing coatings completely to the stable substrate. Sand the surface of adherent coatings, clean and check for compatibility.

Algal and Fungal Attack (Mildew/Mould) on Exterior Wood Surfaces:

Wash algal and fungal attack completely off and treat the surface with Capatox. Prepare the substrate as mentioned before. Please follow Technical Information Capatox.

Method of Application

UniversalLasur Aqua is ready-to-use for brush and roller application. On large-scale surfaces apply with a roller and then treat directly using a brush. On warm weather conditions the surface should be pre-wetted and directly coated. Use only as much material as can be applied without lapping. Provide for sufficient staff members on the job, if necessary. The product cannot be spray applied, due to the content of film preservative against fungal attack.

Thinning

UniversalLasur Aqua is ready-to-use, but should be diluted to a max. of 5 % by volume with tap (potable) water, when the substrate is highly absorbent or in warm weather.

Surface Coating System

Substrate	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Uncoated wood	BFS Data Sheet No. 18	Capacryl Holz SchutzGrund	UniversalLasur Aqua	UniversalLasur Aqua ¹⁾	UniversalLasur Aqua
Suitable, stable existing coating ²⁾	Sand slightly, clean	–	UniversalLasur Aqua	–	
Wood grain technique (brighten up dark surfaces)	Substrate preparation and impregnation as described above, according to substrate requirements		Capacryl Haftprimer in a suitable colour shade for renovation	UniversalLasur Aqua	
¹⁾ For an optimal UV protection three applications (priming, intermediate and finishing coat) are necessary for bright shades (this does not apply for the wood grain technique). One priming and finishing coat will normally be sufficient for dark shades (Walnut/Gingko or darker). Transparent material has not enough UV protective properties and is preferably used as a base material for tinting.					
²⁾ Pretreat defective areas of existing paint coatings according to substrate requirements.					

Consumption

Approx. 80 ml/m² per coat on smooth surfaces.
Approx. 150 to 200 ml/m² per coat on unplanned wood.
Consumption varies depending on the type of wood and surface finish. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Lower Temperature Limit for Application and Drying:

+8 °C for material, substrate and ambient air.
Relative humidity must not exceed 80 %.

TECHNICAL INFORMATION NO. 028

Drying/Drying Time

At 20 °C and 65 % relative humidity	dust dry	recoatable	rain resistant
	30 minutes	8 hours	24 hours

Lower temperatures and higher humidity extend the drying time.

Tool Cleaning

After use with water and wetting agent.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction. According to European Regulation 528/2012 this product is defined as a "treated article" (not a biocidal product) and contains the following biocidal substances: 3-iodo-2-propynyl butylcarbamate (CAS-No. 55406-53-6).

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Only completely empty cans/containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

EU limit value for the VOC content

of this product (category A/e): max. 130 g/l (2010). This product contains max. 50 g/l VOC.

Giscode

BSW50

Substances of Content - Declaration

alkyd resin, polyacrylic resin, inorganic colored pigments, calcium carbonate, water, glycol ethers, additives, film preservatives, Preservative

Further Details

See Material Safety Data Sheet (MSDS).

Customer Service Centre

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.028 · UniversallLasur Aqua · Issued: June 2019

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