

Technical data sheet

DiescoLack Surface Glaze

Wood glaze for exterior and interior use



Thixotrope, film-forming wood glaze for long-term highly weather-resistant protection of wood coatings in exterior and interior areas

- Free of biocide
- Porous
- Diffusible
- Elastic
- Very high UV-protection
- Low-odour solvent free of aromatic compounds
- Long-term humidity protection
- Easy to clean
- Thixotrope anti-drip
- Easy to use

Application

DiescoLack Surface Glaze can be used as a film-forming glaze on fairly dimensionally stable and perfectly dimensionally stable wood and wooden composite surfaces in exterior and interior areas, e.g. carports, window sills, windows, doors, claddings, paneling etc.

Special properties

DiescoLack Surface Glaze forms a diffusible, elastic, weather-resistant protective film on wood. This regulates dampness and acts as a water-repellent. It's also easy to clean. The special transparent pigmentation and the binding agent-UV-filter achieves a very high UV-protection while also maintaining a highly transparent glaze character. Tested in UV-protection and transparency corresponding to Guideline 3 of the Institute for Window Construction, Rosenheim.

The DiescoLack Surface Glaze Film corresponds to DIN EN 927 part 3 – Safety of toys / Migration of certain elements.

Binding agent base	Synthetic resin
Smell	Typical of its kind, but very mild
Thickness	Approx.0.95 g/ml
Viscosity:	700 mPas (thixotrope)

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Gloss level:	Silk-matte
Colour	maple, afrormosia, light oak, nut tree and walnut tree Check colour before use. In case of different batches of a colour, attention must be paid to colour consistency. If necessary, different batches should be mixed in a large container. The supplied colours are to be checked for colour accuracy before painting. Please refer to BFS datasheet no. 25.
Flashpoint (under normal conditions):	≥53° C
Container size	1.0 and 2.5 litre containers.
Storage	Store cool but frost-free. Seal opened containers well and use within a short period.
Coverage	On smooth surfaces approx. 80-100 ml/m ² (10-12 m ² /litre) per step given normal material application. On poorly absorbent, rough or textured surfaces use more accordingly. Under certain circumstances determine material consumption by using a test coat.
Product code	M-KH 02
VOC content	Class e type Ib, VOC limit from 2010 = 400 g/l. max. VOC value < 400 g/l
Hazard identification	Not applicable
Water hazard class	1 (according to VwVwS), low water hazard
Declaration of ingredients	Alkyde resin free of aromatic compounds, solvent free of aromatic compounds, fillers, pigments and additives. Advice for people allergic to isothiazolinone is available on telephone number +49 (0)30 60 00 02 49.
Warning labels:	R 10 Flammable. R 53 Can have a long-term harmful effect in waterways. S 66 Repeated contact can lead to spry or cracked skin.

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Safety instructions:

- S 2** Should be kept out of reach of children.
- S 23** Do not inhale steam/aerosol.
- S 24/25** Avoid contact with eyes and skin.
- S 38** Wear breathing protection device in case of insufficient ventilation.
- S 46** In case of swallowing, summon a doctor immediately and show him/her the package or label.
- S 51** Only use in well-ventilated areas.
- S 61** Avoid release into the environment. Obtain special instructions/Consult Safety Data Sheet.

The application on woods that are in direct or continuous contact with water (e.g. under water) or on which water can not run off due to its construction is not permissible.

Special notes

Should be kept out of reach of children. In case of contact with the eyes, rinse thoroughly with water and consult a doctor if necessary. Ensure that there is good ventilation while painting. When using in a spraying process, do not breathe in the spray mist and use suitable breathing apparatus in case of insufficient ventilation. Before use, always read label and product information. Do not allow the paint to enter drainage systems, waterways or soil. Cover all areas to be painted carefully. Wash off paint splashes on all kinds of surfaces with water while the paint is still wet.

Disposal

May not be disposed together with domestic waste. Do not dispose in the sink. Do not allow the paint to enter drainage systems. Place remaining material in special waste containers or bring to special waste collection points.

Disposal of material

Waste code: 08 01 11 - Paint and varnish remnants or waste that contains organic solvents or other hazardous substances.

Disposal of packaging

Waste key 150104 = packaging made of metal, recommendation: Waste disposal according to official regulations. Containers with residue must be brought to a special waste collection point. Uncontaminated and fully emptied packaging can be used for recycling. Interseroh-Recycling: Manufacturer number: 26967

Handling guidelines

Preparation:

Stir the material carefully before use.

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Order procedure:	Paint and spray with explosion-proof spray equipment (airless, aircoat/airmix, finecoat, high-pressure).
Hand application:	<p>DiescoLack Surface Glaze is provided ready for use.</p> <p>Pre-treat raw wood surfaces in exterior areas with DiescoLack Holzschutzgrund (wood protection primer) or DiescoLack Imprägnierlasur (impregnation glaze). Pre-treat raw wood surfaces in interior areas with DiescoLack Flächenlasur (surface glaze), if necessary dilute with solutions free of aromatic compounds.</p> <p>Apply the material evenly, wet on wet and distribute along the grain.</p>
Spray application:	<p>Airless spray application*: Nozzle: 0.23 mm, spray pressure 100-140 bar, material undiluted*</p> <p>Aircoat/airmix spray application*: Nozzle: 0.28 mm, spray pressure 50-80 bar, air pressure: 1-2 bar, material 5% diluted**</p> <p>Fine coat spray application*: Nozzle 2.0 mm, material 2-5% diluted**</p> <p>High pressure spray application*: Nozzle: 1.5-1.8 mm, air pressure: 3-4 bar, material approx. 20% diluted**</p> <p>*The indicated values are guidance values.</p> <p>Dilution agent: thinner free of aromatic compounds. **Note: the permissible VOC-value may not be exceeded as a result of adding a dilution agent.</p>
Protective equipment	Breathing protection mask with filter type A2/A3
Lower limit for application temperature	+5° C substrate and ambient temperature
Drying time	Dry to the touch after approx. 4 - 6 hours and paintable after 10-16 hours at a temperature of + 23°C and 50% relative humidity. Considerably longer drying time at lower temperatures or higher humidity. Woods that contain a tanning agent, e.g. oak, can extend the drying time.

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Cleaning the tools/ airless equipment

Cellulose thinner, universal thinner or white spirit.

Attention

In exterior areas, apply as glaze system with at least two glaze coats. In case of increased stress, a third coat must be applied.

Note

When used on dimensionally stable component, e.g. windows and exterior doors, the Institute for Window Construction in Rosenheim, recommends a dry film thickness of the entire construction of at least 60 µm (with lighter colours at least 80 µm).

To achieve optimal adhesion, allow drying times of more than 36 hours between material applications, the surface should be roughed up with sanding paper (280 grain or finer) or plastic (e.g. Scotch Brite).

Please note:

Not suitable for horizontal surfaces with any water loading.

Do not use in direct sunlight, in strong winds, if there is a risk of rain, mist or dew, a risk of higher humidity (>85%) or a risk of night frost (during the entire processing and drying phase). Do not use if the ambient, subsurface or drying temperature is below +5°C or above +30°C. Protect from any humidity during the drying period. Failure to comply with this may result in damage to the coat in the form of peeling or blistering.

Application on walking surfaces is not recommended.

Wood surfaces are maintenance surfaces: the regular inspection and maintenance of coated wooden parts is necessary to avoid damage to the component and / or the coat. That is why we recommend to subject coated wooden parts to a continuous qualified assessment and to immediately and properly eliminate any defects to the part or the coat.

The original colour of the wood decisively determines the final colour of the coat.

Suitable substrates and their preparation and the sequence of coats:

Wooden substrates that are solid and can carry a coat of paint and are dry as well as free of dirt and separating substances are all suitable. The max. wood moisture should not exceed 12% in case of hardwoods and 15% in case of softwoods. Remove greyed wood layers. Any old coats that are to be treated must be tested for their suitability, adhesion and stability. Remove unstable coats. Please note the VOB (contracting rules for award of public works contracts), part C, DIN 18363, para. 3 and the respective BFS technical bulletins, in particular technical bulletin no. 18. Please refer to the statutory regulations in the case of any cleaning work. Only carry out sanding work in the direction of the grain. We recommend creating sample areas before starting any work in order to test the adhesion and quality of the surface.

Preparation of wooden surfaces:

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Sand off greyed wood, round off edges, remove dust and/ or clean. Burn out resin discharges and wash with universal thinner. Pre-treat raw wood surfaces in exterior areas with DiescoLack Holzschutzgrund (wood protection primer) or DiescoLack Imprägnierlasur (impregnation glaze). Pre-treat raw wood surfaces in interior areas with DiescoLack Flächenlasur (surface glaze), if necessary dilute with solutions free of aromatic compounds**.

Preparation of existing glazes:

Check stability of old paint, remove parts that can no longer hold a coat of paint. Sand off greyed wood, round edges, sand surfaces, sand transitional parts. Remove dust/clean. Burn out resin discharges and wash with universal thinner. Pre-treat raw wood surfaces in exterior areas with DiescoLack Holzschutzgrund (wood protection primer) or DiescoLack Imprägnierlasur (impregnation glaze). Pre-treat raw wood surfaces in interior areas with DiescoLack Flächenlasur (surface glaze), if necessary dilute with solutions free of aromatic compounds**.

Note

This technical information is compiled to the best of our knowledge and corresponds to our state-of-the-art application technology. However, you can only obtain non-binding advice as the working method in each individual case is dependent on the condition of the structure to be coated and can only be decided on the basis of the actual surface in question. Conditional exceptions are to be taken into account on site. Liability cannot be derived from the aforementioned information.

Due to the different substructure materials and the working conditions that are out of our control, we recommend conducting sufficient tests in each case to ensure the suitability of our products for the intended procedures and purposes.

All previous versions cease to apply with the publication of this technical datasheet.