2K InvisibleProtect

FINISH



New-generation, water-based surface protection for parquet and hardwood floors. For extremely heavy wear. The natural look and feel of the untreated wood is maintained. The virtually invisible layer is also extremely scratch-resistant thanks to the use of the highest-quality raw materials. Elastic, excellent chemical and abrasion resistance.

- Natural structure and feel like untreated wooden flooring
- 2-coat system without primer
- Very low emission, certified to EMICODE® EC1 Plus
- Certified anti-slip properties as per DIN EN 16165:2021-12 for work areas
- No polishing effect
- Excellent chemical resistance
- As easy to clean as finished surfaces
- No grain accentuation, the original color of the wood remains as it was in its original state
- Meets all requirements of ÖNORM C2354:2009 for the highest stress class

Range of use:

Suitable for parquet, wood and cork floors. Anti-slip as per DIN EN 16165:2021-12 evaluation group R10.

Technical Data

Stress level

1 2 3 4 5 6 7 8 9 10

Residential Commercial Extreme

ART.-NO.			
11474	1 kg	6	360
	5 kg	2	96

Gloss level approx.*	9
Solids	32 ±2%
Viscosity DIN 4	28 ±2s
Storage and transportation	15 months of storage stability. Store and transport between +5 to +25°C. Protect from frost.
GISCODE	W2/DD+
2004/42/CE	EU limit value for this product (cat. A/j): 140 g/l (2010). This product contains max. 49 g/l VOC(mixture with hardener).

*The degree of gloss is measured at 60° on glass. It depends on the layer thickness and ambient conditions (temp., rel. humidity) during the drying process. The values are intended merely as a guide.

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Application

- Shake product, add hardener to base at a ratio of 10 : 1 and then shake to mix. For mixing smaller quantities, use the LOBA Mixing Container or a scale to weigh out the components. Usable up to 2 hours after mixing.
- The surface must be professionally sanded. The floor must be dry and free of any old coatings, oil, grease, wax, silicone, sanding dust and other impurities.
- The optimal processing conditions are room temperature +15°C to + 25°C, floor temperature +15°C to +22°C, rel. humidity 40% - 65%, material temperature +18°C - + 25°C, max. wood moisture 12%, sufficiently ventilate working rooms.
- In order to prevent parquet damage, the room temperature should be set to the annual average expected for the use of the product.
- To reduce the risk of excessive swelling, we recommend applying a maximum of 2 roll applications per day.
- Transfer material to a LOBA varnish bucket before applying.
- Shake the contents well.
- Observe general and, if necessary, product-specific occupational health and safety regulations. Further information can be found in the GISCODE-related operating instructions which are available under www.wingis-online.de.
- This product is part of the LOBA and Wakol "Connected Systems". The approved combinations with Wakol parquet adhesives may be found in the "Connected Systems" Matrix: www.loba.de/connected-systems

THINNER / MIXING

The product is ready for use and must not be reduced!

APPLICATION TOOL / APPLICATION RATE

LOBA roller Deluxe 120 or LOBA roller FiberTech / 110-130 ml(g)/ m^2 = 8-9 m^2/l (kg)

INTERMEDIATE SANDING

Able to recoat without intermediate sanding within the first 24 hours. After this time, an intermediate sanding is necessary. An intermediate sanding before the last application will improve the optical appearence of the surface.
Use LOBASAND perforated pad P180 or finer, alternatively Sanding Net P180 or finer.
Carefully remove dust before overcoating.

DRYING TIME

- Can be carefully walked on, intermediate sanding can be performed and can be varnished over after no less than 4 hours.
- Light use after 24 hours.
- Full use and covering possible after 5 days.
- The floor can be covered earlier by using LOBA Cover 400, for details see the TI for the product.
- Drying times are valid for +20°C and 50% relative humidity.

Additives

The range of application, properties and appearance can be extended by combining with LOBA additives. Please refer to the respective technical information of the additives for possible combinations, detailed application information, and drying times.

SET-UP RECOMMENDATION WITHOUT A PRIMER, AREAS OF SPECIAL TO EXTREMELY HEAVY WEAR:

Possible for rigid or shear-resistant adhesive. 2K InvisibleProtect is especially effective on light timbers such as oak, ash, maple and light beech. To increase safety of use and decrease the risk of lap-marks especially on dark wood types. Prior to the first application of 2K InvisibleProtect the surface can be primed with EasyPrime.

- Prepare the substrate correctly.
- Roll on 2K InvisibleProtect.
- Drying.
- Intermediate sanding.
- Roll on 2K InvisibleProtect

ALTERNATIVE SET-UP RECOMMENDATION WITH OIL-PRIMER, FOR NORMAL WEAR:

Set-up combines optic and haptic of an oiled surface with cleaning properties of finished surfaces.

- Prepare and sand surface.
- Prime with LOBA 2K ImpactOil/ImpactOil Color.
- Let dry acc. to technical information.
- Roll on 2K InvisibleProtect

For heavily stressed areas apply another coat fo 2K InvisibleProtect necessary. Perform intermediate sanding prior to final coating with LOBASAND grid pad and underlayed sanding stripes P240.

USE ON CORK:

Seal only after the adhesive has set adequately.

Untreated natural cork:

- Apply two layers of 2K InvisibleProtect by roller.
- Allow the first layer to dry overnight (reduces the risk of granule swelling).
- Intermediate sanding before the final application.

Prefinished cork

Observe the cork supplier's instructions. If suitable for recoating, apply one layer of 2K InvisibleProtect after an intermediate sanding.

Renovation / recoating of old coatings

Basic cleaning with CareRemover. Use a rotary disk buffing machine and a LOBASAND SpecialPad green. Care product residues must be completely removed. Even small amounts of residue can adversely effect the bond of the coating. Clean with clear water (neutralise). After drying, carry out a thorough intermediate sanding. Apply one layer of 2K InvisibleProtect by roller.

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Application

Coloring tip

To achieve a brightening/whitening effect on light-coloured substrates, we recommend adding LOBA Whitener according to the technical information of the product. In order to minimize color reactions with tannins, the first layer of the paint must be applied to untreated cork in the delivery form without color additive. Subsequent drying overnight is necessary.
To achieve a color intensification on natural cork and brownish and reddish colored cork floors, we recommend adding LOBA Amberizer according to the technical information of the product.

IMPORTANT INFORMATION

In case of strong roughening of the wood, optionally apply a further layer of 2K InvisibleProtect after an intermediate sanding. Layer-building care products would change the unique extramatt surface to a shinier optic. For this reason, we recommend not using them. Instead, perform an intermediate sanding according to the level of stress and apply another coat of with 2K InvisibleProtect afterwards.

General guidelines

Cleaning of tools: Clean tools and equipment immediately with water.

Fire protection:
Layer-forming systems:
To comply with DIBt approval and achieve fire protection class Cfl-s1 in accordance with DIN EN 14342, Table 1, a dry film thickness of max. 100 µm is required for finishes and max. 50 µm for hard wax oils.
Non-film-forming systems:
To achieve fire protection class Cfl-s1 in accordance with DIN EN 14342, Table 1, an application quantity of 20 to 60 g/m^2 must be observed.

Drying time: The indicated drying times are valid for +20°C and 50% relative humidity, and assume careful, draught-free ventilation of the working area. Lower temperatures, higher relative humidity or poorer ventilation lead to longer drying times. Do not apply any protective coverings, wet clean the surface or lay carpet until the coating has achieved its final hardening. Product-specific data can be found in the relevant technical information.

Intermediate sanding: Where several layers of coatings are applied, if any layer is not overcoated within 24 hours, then the only way to ensure adequate bond between the layers is by intermediate sanding. An intermediate sanding before the final application will achieve an even surface. Carefully clean off the dust after intermediate sanding.

Interactions: Materials such as carpet underlays, furniture legs, castors, flexible adhesives used for parquet or for fixing can lead to softening and discoloration. Material building up in the joints can adversely affect touch and appearance. Exposure to hair dyes or rubber tyres on cars, motorcycles and cycles can lead to permanent, irreversible discoloration of the surface.

Connected Systems: Connected Systems approved products are optimized in such way that no dark discoloration, caused by chemical interaction between surfacetreatment and adhesive occurs, when applied in accordance with the technical datasheets.

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and relate to Spezial conditions. Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice by speaking to the LOBA application engineering department. Observe the floor covering manufacturer's recommendations and the provisions of the current standards. Our liabilities and responsibilities are exclusively in accordance with our Terms and Conditions and are not extended by this information or by our advice. The publishing of a new technical data sheet automatically invalidates the earlier version.

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