TECHNICAL DATA SHEET

2K InvisibleProtect

FINISH



2-Component water-based finish for hardwood flooring and interior wood surfaces. For extremely heavy wear. Elastic, excellent chemical and abrasion resistance.

- Looks and feels like natural untreated wood
- Very easy to apply
- Self sealing – no primer needed
- Excellent chemical resistance
- Non-ambering, keeps the natural appearance of the wood
- Creates the look of natural penetrating oil when used with 2K Intensive transparent.

Recommended use:

Residential and high traffic commercial areas. Suitable for wood and cork floors. Excellent slip resistance.

Loba GmbH & Co. KG Emissionsgeprüftes Bauprodukt nach DIBt-Grundsätzen Z-157.10-192

GEV-EMICODE EC 1 PLUS very low emission

CONNECTED SYSTEMS

Product data

Stress

1 2 3 4 5 6 7 8 9 10

Living area — Commercial — Extreme

ART.-NO.	ITEM-#			
11474	LO-FI-238	1 gal.	4	144

Gloss level approx.*	9
Solids	32 ±2%
Viscosity DIN 4	28 ±2s
Storage and transportation	Shelf life: 15 months in unopened containers. Store and transport between 40°F to 75°F (5°C to 25°C). KEEP FROM FREEZING.
US Regulatory VOC	< 135 g/l

*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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Information for Use

- For professional use only!
- BEFORE USING, READ AND UNDERSTAND ALL LABEL INSTRUCTIONS AND MATERIAL SAFETY DATA SHEETS.
- For technical advice call our Loba-Wakol Technical Service at 1-800.230.6456.
- Recommended climate conditions are 55°F-80°F/40-75%rH.
- Sand and prepare floors according to NWFA guidelines.
- **WARNING!** If you scrape, sand, or remove old paint from wood floors, you may release lead dust. Follow local and/or federal requirements for lead removal. Before you start, find out how to protect yourself and others by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.
- ALWAYS PREPARE A SAMPLE OR TEST AREA TO DETERMINE COMPATIBILITY, APPEARANCE, AND DESIRED RESULTS.
- POT LIFE: 2 hours. For mixing the full container shake base well, and add complete hardener to base, replace lid, and then shake vigorously to mix. For mixing smaller quantities, mix at a ratio of 10 parts base : 1 part hardener. Use the LOBA Mixing Container or a scale to weigh out the components.
- Do not thin. Do not add water.
- Do not apply at temperatures below 55°F (13°C). Make sure material is at room temperature. Always maintain adequate ventilation during all phases of the coating and drying process.
- Apply evenly at the recommended coverage rate. Avoid streaks, puddles, and lap marks.
- This product is part of the LOBA and Wakol "Connected Systems". The approved combinations with Wakol wood flooring adhesives may be found in the "Connected Systems Matrix": https://www.loba.de/us/connected-systems/

APPLICATION TOOL

LOBA Deluxe 120 Roller - as a two coat system.
LOBA Micro 120 Roller - as a three coat system ONLY.
NOTE: Alternate applicators could apply less finish and will have an increased risk of application marks and are not recommended

COVERAGE

LOBA Deluxe 120 Roller: apply at 325-375 square feet per gallon per coat.
LOBA Micro 120 Roller: apply at 400-500 square feet per gallon per coat.

SCREEN AND RECOAT

- Clean floor, abrade with LOBASAND 180-220 grit perforated pad(or equivalent). Vacuum floor then tack using a LOBA Mop and a new/clean LOBA microfiber mop pad lightly dampened with water to remove all dust.
- Apply finish following instructions.
- Always prepare test areas to determine compatibility, appearance, and desired results.
- Do NOT use on floors finished with UV cured, oxide containing, factory applied finishes.

DRYING TIME

- Earliest possilbe recoating after 4-6 hours.
- Fully cured after 5 days.

SUITABLE SEALERS:

A sealer is not required, however, 2K Invisible Protect can be applied over all LOBA sealers, finishes, and LOBA Stain.

RECOMMENDED PROCEDURE FOR 2 COAT APPLICATION:

- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- Allow to dry for 4-6 hours minimum.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise.
- Vacuum floor then tack using a LOBA Mop and a new/clean LOBA microfiber mop pad lightly dampened with water to remove all dust.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- NOTE: An optional third coat can be applied using the LOBA Roller Deluxe 120 and the procedures listed below for a 3 coat application can be followed.

RECOMMENDED PROCEDURE FOR 3 COAT APPLICATION USING THE LOBA MICRO 120 ROLLER:

- Apply 2K InvisibleProtect using the LOBA Micro 120 Roller.
- Allow to dry for 2-4 hours minimum.
- Apply 2K InvisibleProtect using the LOBA Micro 120 Roller.
- Allow to dry overnight.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise.
- Vacuum floor then tack using a LOBA Mop and a new/clean LOBA microfiber mop pad lightly dampened with water to remove all dust. Apply 2K InvisibleProtect using the LOBA Micro 120 Roller.

ALTERNATIVE PROCEDURE TO CREATE NATURAL OILED COLOR:

- Prime with 2K Intensive Transparent refer to the Technical Data Sheet for details.
- Allow to dry for 16 hours minimum.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- Allow to dry for 2-4 hours minimum.
- Note: If intermediate sanding is required allow first coat to dry overnight.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.

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Information for Use

ALTERNATIVE PROCEDURE TO CREATE NATURAL OILED COLOR:

- Prime with 2K Intensive Transparent. Refer to Technical Data Sheet for details.
- Allow to dry for 16 hours minimum.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- Allow to dry for 2-4 hours minimum.
- Note: If intermediate sanding is required allow first coat to dry overnight.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.

RECOMMENDED PROCEDURE FOR CORK FLOORS:

Seal cork only after the glue has sufficiently set (refer to manufacturer's information) Roll on a maximum of 2 coats per day.

Untreated natural cork:

- Roll a total of three coats of 2K InvisibleProtect onto the cork.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- Allow to dry for 2-4 hours
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise
- Vacuum floor then tack using a LOBA Mop and a new/clean LOBA microfiber mop pad lightly dampened with water to remove all dust.
- Apply 2K InvisibleProtect using the LOBA Deluxe 120 Roller.

Prefinished cork:

Note information given by the cork supplier. If suitable for recoating, apply one or two layers of 2K InvisibleProtect Follow instructions above for Screen and Re-Coat. If the factory applied finish is a UV cured, oxided containing, finish, application of LOBA 2K Contact will be required for preparation and LOBA 2K InvisibleProtect should not be used.

Renovation / recoating of old coatings:

- Cleaning with LOBA Remover at a ratio of 1:5. 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 (neutralize). After drying, perform a thorough intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent). Vacuum floor then tack using a LOBA Mop and a new/clean LOBA microfiber mop pad lightly dampened with water to remove all dust.
- Apply Apply 2K InvisibleProtect in one or two layers using the LOBA Roller Deluxe 120.

COMPATIBILITY

When this product is used in combination with other LOBA products the technical information of these products must be followed. Refer to the Technical Data Sheets. LOBA cannot guarantee the suitability of products other than LOBA or the bond of the existing coating to the substrate.

General guidelines

Cleaning of tools: Clean tools and equipment with water.

Floor Care: Clean floor with damp cloth or mop only after full cure is reached. Do not clean with water or detergent during the first week. After one week we recommend the use of LOBA Hardwood Floor Cleaner. Put walk-off mats at all entrance doorways to minimize dirt and grit. Sweep or vacuum daily and damp-wipe with LOBA Hardwood Floor Cleaner. Use felt pads under furniture legs and appliances. Place furniture and other heavy appliances carefully.

Plasticizer containing materials: Plasticizer containing materials e.g. carpet padding, furniture padding, chair casters, elastic adhesives, etc. could lead to softening and discoloration of the finish. Visit www.loba-wakol.com for additional information and instruction about floor care and maintenance.

Cure Time: The stated drying and cure times are based on ideal conditions (68°F, 50% rH) at the recommended application rates. Insufficient ventilation, high humidity, lower temperatures, increased coat thickness can prolong the curing process considerably. Do not cover floors, replace carpets or rugs, or clean floors with a damp mop/cloth before the final curing has been reached.

Intermediate sanding: When several layers of finish are being applied succesive coats can be applied within 24 hours without intermediate sanding. After 24 hours an intermediate sanding must be performed. An intermediate sanding before the final application is recommended and will achieve a smoother surface. Remove all dust after intermediate sanding and prior to application of finish coats.

Use with or without a primer: Some finishes can be used without a primer. The use of a primer increases application reliability and decreases risk of application marks on most wood types. Further details can be found in the LOBA wood type suitability list in the current catalog.

Side bonding: Water-based coating systems can show a tendency for side bonding. Several measures can be taken to minimize the formation of irregular joints and the associated locking effect. The use of shear-resistant or firm elastic adhesive to adhere the hardwood flooring, careful filling of the joints, use of suitable LOBA primers, and maintaining a consistent climate are some of these steps. (Education of the customer is recommended). The risk of side bonding is greater with old floors with damaged, weak, or very flexible adhesives and wood flooring installed over underfloor heating, and less stable woods such as beech and maple.

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General guidelines

Safety Precautions: Even when working with low or zero-emission products the usual safety measures must be taken. Keep away from children. Do not eat, drink, or smoke in working areas. Wear suitable safety gloves. Clean product off of hands. Change soiled clothes.

First Aid: If swallowed, do not induce vomiting. Call for medical help immediately. Never give anything by mouth to an unconscious person. If breathing is difficult or other respiratory complaints, remove to fresh air and get medical attention. In case of eye contact, immediately flush eyes for several minutes under running water. Generally, this product does not cause skin irritation. Call a physician if irritation occurs.

Special Information The information in this document and any other information or advice we provide is intended for our customers only, and all information and advice is subject to the terms and limitations in Loba-Wakol's General Terms and Conditions, including without limit its limited warranty ("Terms"). The Terms are not expanded, changed, or waived by the information in this document or by any information or advice given by Loba-Wakol. Loba-Wakol has no relationship or obligation to anyone other than the customer that originally purchases the product from Loba-Wakol.
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The words or symbols denoted by ® stand for trademark rights that are at least registered and protected in the territory of Germany.

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

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