

TECHNICAL INFORMATION

2K InvisibleProtect

ADVANCED
TECHNOLOGY



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:

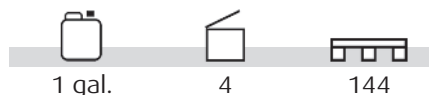
Residential and high traffic commercial areas. Suitable for wood and cork floors. Excellent slip resistance.



Technical Data

Art.-no.
11474

Item-#:
LO-FI-238



Gloss level approx.*

9

Solids

32 ±2%

Viscosity DIN 4

28 ±2s

Storage and transportation

Shelf life: 12 months in unopened containers. Store and transport between 40°F to 75°F (5°C to 25°C). KEEP FROM FREEZING.

US Regulatory VOC

< 140 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.

Information for Use



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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 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 your family 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 parquet adhesives may be found in the "Connected Systems Matrix": <https://www.loba.de/us/connected-systems/>

Application Tool

LOBA Roller Deluxe 120 - as a two coat system.

LOBA Roller Microfiber 100/120 - 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 Roller Deluxe 120: apply at 325-375 square feet per gallon per coat.

LOBA Roller Microfiber 100/120: apply at 400-500 square feet per gallon per coat.

Screen and Recoat

- Clean floor, abrade with LOBASAND 180 grit perforated pad (or equivalent). Vacuum and tack with water dampened towel 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 possible recoating after 4-6 hours
- Fully cured after 5 days

Suitable Primers:

A primer is not required, however, LOBA 2K Invisible Protect ^{A.T.} can be applied over all Loba sealers, primers, and LOBA Stain.



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Recommended Procedure For 2 coat application:

- Apply 2K InvisibleProtect A.T using the LOBA Roller Deluxe 120.
- Allow to dry for 4-6 hours minimum.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise.
- Vacuum and tack with a water dampened towel or microfiber mop to remove all dust.
- Apply 2K InvisibleProtect A.T using the LOBA Roller Deluxe 120.
- 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 Microfiber 100/120 roller:

- Apply 2K InvisibleProtect A.T using the LOBA Roller Microfiber 100/120.
- Allow to dry for 2-4 hours minimum.
- Apply 2K InvisibleProtect A.T using the LOBA Roller Microfiber 100/120.
- Allow to dry overnight.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise.
- Vacuum and tack with a water dampened towel or microfiber mop to remove all dust.
- Apply 2K InvisibleProtect A.T using the LOBA Roller Microfiber 100/120.

Alternative procedure to create natural oiled color:

- Prime with 2K Intensive Transparent & 2K IntensiveColor refer to technical information for details.
- Allow to dry for 16 hours minimum.
- Apply 2K Invisible Protect A.T using the LOBA Roller Deluxe 120.
- Allow to dry for 2-4 hours minimum.
- Note: If intermediate sanding is required allow first coat to dry overnight.
- Apply 2K InvisibleProtect A.T using the LOBA Roller Deluxe 120.

Alternative procedure to create natural oiled color:

- Prime with 2K Intensive Transparent & 2K IntensiveColor refer to technical information for details.
- Allow to dry for 16 hours minimum.
- Apply 2K Invisible Protect A.T using the LOBA Roller Deluxe 120.
- Allow to dry for 2-4 hours minimum.
- Note: If intermediate sanding is required allow first coat to dry overnight.
- Apply 2K InvisibleProtect A.T using the LOBA Roller Deluxe 120.

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 Invisible Protect A.T onto the cork.
- Apply 2K Invisible Protect A.T using the LOBA Roller Deluxe 120.



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- Allow to dry for 2-4 hours
- Apply 2K Invisible Protect ^{A.T.} using the LOBA Roller Deluxe 120.
- Intermediate sanding with LOBASAND 180 grit perforated pad (or equivalent) to remove grain raise
- Vacuum and tack with a water dampened towel or microfiber mop to remove all dust.
- 2K Invisible Protect ^{A.T.} using the LOBA Roller Deluxe 120.

Prefinished cork:

Note information given by the cork supplier. If suitable for recoating, apply one or two layers of 2K Invisible Protect ^{A.T.} follow instructions above for Screen and Re-Coat. If the factory applied finish is a UV cured, oxidized 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 and tack with a water dampened towel or microfiber mop to remove all dust.
- Apply Apply 2K Invisible Protect A.T 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. Always prepare test areas to determine suitability of products other than LOBA.

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 rolls, elastic glues 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 successive 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. Carefully clean off the dust after intermediate sanding prior to application of finish coats.

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General guidelines

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 usually 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, 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 woods which change their moisture content quickly, such as beech and maple.

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 left-overs 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.

The information in this document and any other information or advice we provide is the result of our prior experience and our knowledge of our products. Due to the wide variety of application possibilities and processing conditions, it is the customer's responsibility to test our product for suitability for its intended purpose. When in doubt, call our Technical Service for support. Technical Information is also available by visiting our website www.loba-wakol.com. You must read and understand, and have your professional installer read and understand, all information contained in our Terms and in our published specifications, technical data sheets, written directions for installation, use and maintenance, and labels on the product. If you have any questions during application or use, immediately stop the application and use and contact our Technical Service. For information about other products offered by Loba-Wakol, please check the technical information concerning those products.

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 datasheets.

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