



AGLAIA Hard Oil

Colourless transparent oil sealer for wooden furniture, parquet and cork. Optionally in satin matt or glossy

1. Product Properties

AGLAIA Hard Oil protects floorings, decorative wood, workplates and furniture effectively from moisture, abrasion and dirt. In domestic areas universal to use for solid wood and wood based materials, parquet, stairs, wooden floor boards and cork as well as porous, unglazed cotto and stone tiles. Produces a subtle, natural surface effect especially when using satin matt finish. Prime raw, absorbent surfaces with AGLAIA Wood Primer beforehand. Do not use AGLAIA Hard Oil in exterior areas, in sanitary units or in highly-frequented entrance areas of public buildings. Try out on a test area before applying on tropical wood, oak and wood-based materials.

1.1. Composition

- Linseed (stand) oil, long oil alkyd resin, linseed oil based; dryers
- Aromatic compound-free solvent
- Matting with silicic acid for satin matt
- "Transparent recipe": see AGLAIA full declaration

1.2. Technical properties

1.2.1. Overview

- Use on interior surfaces
- Subtle satin matt oiled finish, pleasant to touch
- Water repellent, abrasion-proof and suitable for floors
- Easy to care, can be coated over practically an unlimited number of times
- Diffusible and vapour permeable
- Efficient to use

1.2.2. Important building physics characteristics

| Parameter | Value | Conformity |
|--|-------------------------------------|---|
| Density 20°C: | 0.9 kg / L | |
| Viscosity 20°C: | approx. 120 s (3 mm flow cup) | ISO 2431 |
| s _d value (H ₂ O): | Glossy or medium gloss (satin matt) | |
| Flash point: | > 61 °C | |
| VOC content (max.): | 400 g / L | Directive 2004/42/EC (limitation of VOC emissions of paints and lacquers), Cat. A / e |

1.2.3. Colour

- Colourless transparent. Possible colour intensification on porous substrates. Try out on a test area.
- Can be tinted with AGLAIA Interior Wood Glaze, satin matt with 20 % maximum (e.g. Lime white for a glazing white look)
- Alternatively tint wood surfaces beforehand with AGLAIA Interior Wood Glaze, satin matt in a wood stain-like look.

2. Use

2.1. Substrate requirements

- The substrate must be clean, dry, firm and stable and must be free from efflorescent, discolouring, adhesion-impairing and/or drying-delaying substances.
- If using on floors, pay attention to a proper laying and pretreatment of parquet, cork, cotto or stone tiles.

2.2. Brief information on the standard system

- Prime raw solid wood, wood based materials, parquet, cork and unglazed cotto or stone tiles with AGLAIA Wood Primer. For decorative wood surfaces without any mechanical stress, AGLAIA Rapid Wood Primer W is also possible.
- Subsequent sealing with AGLAIA Hard Oil.

2.3. Substrate and preparatory treatment

• Wood (solid wood, wood based materials) for furniture face, shelves, wall sidings etc.:

Sand absorbent, raw or non-film forming impregnated wood and prime with AGLAIA Wood Primer (universal, durable and water-proof) or AGLAIA Rapid Wood Primer W (water-borne, quick drying, low yellowing effect). Completely sand off or replace crumbly or greyed wood. Maximum wood moisture for softwood 15 %, for hardwood 12 %. Remove greasy contaminations and resin with AGLAIA Balsam Lacquer Thinner, remove wax residues carefully and pore deep. On oak (tannic acid!), tropical woods (discolouring and drying-delaying constituents!) as well as wood-based materials always try out beforehand on a test area and check suitability and drying. Pay particular attention to suitability and the relevant coating guidelines of the supplier. Prime with AGLAIA Wood Primer. Ideal are compact surfaces, avoid any surplus and excessive coatings in joints or voids (OSB!) causes stickiness and odour emission. Remove cracked, loose and flaking old lacquer or synthetic resin-based coatings pore deep. Remove any paint stripper remainders completely. Sand, clean and degrease existing, firmly adherent oil sealers. Prime the rear of panelling in wet rooms too



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in order to avoid warpage if moisture is absorbed. Ensure back ventilation. Before installation, prime all sides of structural timbers and also seal once. Because of the odour, do not use oil sealers or oily primers on the insides of cupboards and drawers. Coat only with AGLAIA Rapid Wood Primer W and only seal the fronts of furniture and exterior surfaces with AGLAIA Hard Oil.

- **Parquet, floor boards, wooden paving, cork, unglazed cotto and stone tiles:**

Check floors for proper installation. Use stone and cotto tiles only in rooms with a balanced room climate on dry basement because of the risk of white efflorescence and water spots. If possible, prime stone tiles with AGLAIA Wood Primer on all sides prior to installation. Tiles that have been already installed should be primed with AGLAIA Wood Primer prior to jointing and acidification. Wash off cement residues without drenching tiles. Allow to dry the floor on a balanced humidity before applying AGLAIA Wood Primer on full surface and subsequent AGLAIA Hard Oil. Make samples on critical surfaces. Adhere cork professional, grind or sand overlaps evenly. Fill joints with a paste made of AGLAIA Wood Primer and abrasive cork dust. Sand glossy spots after drying until dull-matt. Apply AGLAIA Hard Oil only on surfaces which are uniformly saturated by AGLAIA Wood Primer with a satin look. Carefully sand dust inclusions, arising grains etc.

- **Unsuitable substrates** are surfaces exposed to the weather, high mechanical stress, moistness or dirt, e.g. entrance areas of public buildings, floors in sanitary units, handrails or garden furniture exposed to rain. Note constructive wood protection measures. Tropical woods, oak and wood-based materials: try out on a test area.
- **Defective substrates** require a differentiated approach; try out on a test area.

2.3.1. Maintenance and follow-up treatment:

Please always note a delayed curing process, a lower hardness and resistance against moisture, chemical agents and scratches if compared with synthetic resin based parquet sealers and furniture lacquers. Allow fresh coatings to dry for one week at least before wet cleaning (see 2.4.1). For continuous care, it is advisable to add AGLAIA Self-Glossy Wax to the water used to wipe clean surfaces. Please note and follow the AGLAIA Care Guidelines for oiled floors.

2.4. Application instructions

2.4.1. General information

- Check substrate suitability as required (see 2.1. and 2.3.). Pay particular attention to the absorbency, strength and texture of the respective substrate. Try out on a test area before using on high quality and critical surfaces. Ensure qualified workers and smooth, uninterrupted coating process.
- Carefully cover surfaces which are not to be treated and protect them from splashes.
- Provide personal protective equipment.
- Before use, stir AGLAIA Hard Resin Oil carefully, down to the bottom of the container.
- Only use containers from the same production batch to coat self-contained areas. Mix together different containers of different batches before use.
- Satin matt can be tinted with AGLAIA Interior Wood Glaze, satin matt with 20 % maximum. Mix quantity required in one batch. Check colour tone and application method on site before use. Toned sealers are challenging to apply very equally and renovation is more difficult, please notice.
- Do not use in wet conditions or on hot surfaces.
- Minimum application temperature: +18°C. Ensure sufficient ventilation (purge ventilation) and heat (room ambient temperature) for drying, avoid cooling down. Handle fresh coatings carefully, keep of moisture, dust and dirt.
- Drying time: in normal climate is dry to handle and to enter with over-shoes at least after 24 hours. Tack-free in normal climate after several days, avoid excessive coat thicknesses and logging, e.g. in joints or rebates. Allow rooms at least 1 week before occupying, furnishing and laying carpets.

2.4.2. Application

- Apply with flat brush, wide brush, sealing brushes, rollers or a spraying method (low-pressure, high-pressure, air-mix).
- Apply as a thin coating, smoothly seamlessly and uniformly in the direction of the grain or figure. Delayed drying and surface imperfections if applied too thickly and/or non-uniformly. Avoid roller edges, overlapping and joins.
- If necessary, thin with up to 3 % AGLAIA Balsam Lacquer Thinner.
- In case of dust inclusions and a long break between the coats (> 1 week), carefully sand and remove dust.
- Dispose of impregnated cleaning cloths in closed, airtight metal container due to risk of auto-ignition, see safety instructions.
- Also avoid excessive coat thicknesses if using spray application. Do not allow any "lakes", fat edges or runs to dry. Note the risk of auto-ignition in extractor filter mats in case of oily overspray.

2.5. Auxiliary products

- AGLAIA Balsam Lacquer Thinner: for thinning, and for cleaning tools and substrate.
- AGLAIA Wood Primer: universal oil primer for wood, wood based materials, cork, unglazed cotto and stone tiles.
- AGLAIA Self-Glossy Wax: cleaning and care product, add to water used to wipe clean surfaces.

3. Application rate and Container Sizes

The application rate, i.e. the quantity required for use on planed, primed hard wood parquet is approx. 0.04 L per m². Determine application rate on furniture, cork, stone tiles etc. by trying out on a test area.



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Container sizes: 0.25 L / 0.75 L / 3 L / 10 L

4. Cleaning

Use AGLAIA Balsam Lacquer Thinner to thoroughly clean equipment, tools and soiled clothing immediately after use.

5. Storage

Stored in original container, tightly closed, can be kept for at least 24 months. Close opened containers airtight. Never pour into solvent-swellable containers.

6. Hazard notes, Safety instructions and Disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request.

May cause sensitisation of susceptible persons. Contains Orange oil. May produce an allergic reaction. Cleaning cloths, paper or other materials that are used for absorption can become a potential fire hazard. Collect and safely dispose in closed, non-flammable containers after use.

Hazard statements: Harmful to aquatic life with long lasting effects.

Precautionary statements: Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Disposal in accordance with the official regulations.

Waste disposal number: 080111

7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information is provided without guarantee. It does not release the user from their responsibility to check the product suitability and application for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Non-system additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet automatically becomes invalid when a new edition is issued. The information in the current version of the EC Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.