

Hard Resin Oil

Special oil lacquer for parquet, cork and open-pored stone tiles; available in colourless (silky matt and glossy) as well as in Glaze White (satin matt)

1. Product Properties

AGLAIA Hard Resin Oil protects floorings effectively from abrasion and dirt while largely retaining the substrate's diffusibility. Suitable for wooden parquet, wooden stairs and wooden plank floorings, cork and wood-based materials as well as open-pored, unglazed Cotto and stone tiles after appropriate priming. Ideal in domestic areas. Do not use in exterior areas, in sanitary units or in highly-frequented entrance areas.

1.1. Composition

- One-pack special oil lacquer for floorings
- Pure vegetable oils and lime-cured tree resins
- Matting with silicic acid for satin matt
- Free from plasticisers and synthetic resins
- "Transparent recipe": see AGLAIA full declaration

1.2. Technical properties

1.2.1. Overview

- Use on interior surfaces
- Subtle, natural surface effect
- Water-repellent, durable and abrasionproof
- Easy care
- Free from electrostatic charge
- Diffusible
- Pleasant to touch
- Perspiration and saliva-fast to DIN 53160 / EN 71 Part 3

1.2.2. Important building physics characteristics*

Parameter	Value	Conformity
Density 20°C:	0.88 – 0.94 kg/ L	
Viscosity:	approx. 100 s	3 mm flow cup ISO 2431
Gloss level at 85°C:	glossy or medium gloss (satin matt)	EN ISO 2813
Flash point:	> 61°C	
VOC content (max.):	500 g/L	ChemVOCFarbV, Cat. A/i

* Values depend on gloss level and colour

1.2.3. Colour

- Colourless/transparent or Glaze White.
- Possible deepening of colour on original substrate. Try out on a test area on site.

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.

2.2. Brief information on the standard system

- Prime rough wooden parquet with system-compatible AGLAIA Wood Primer.
- Prime unglazed stone tiles, cork and wood-based materials with system-compatible AGLAIA Penetrating Primer.
- Apply two sealing coats of AGLAIA Hard Resin Oil.
- Then apply finishing coat of AGLAIA Liquid Wax if necessary.

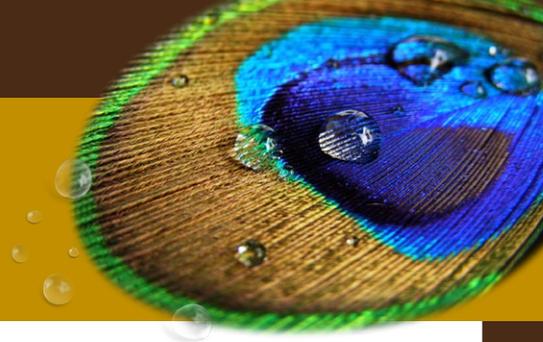
2.3. Substrate and preparatory treatment

• **Wooden parquet, wood block, wooden plank floorings:**

Note and follow VOB DIN 18356 and 18367 respectively for parquet and wood block work. Maximum wood moisture according to manufacturer's information or for softwood 15 %, for hardwood 12 %. Lay flooring properly and sand. Remove greasy and resinous contaminations with AGLAIA Balsam Lacquer Thinner. Remove wax residues thoroughly and pore-deep, especially if renovating, using AGLAIA Balsam Lacquer Thinner. Sand down greyed, worn and brittle hard resin-based lacquers and flooring oils as required, until the surface is visually homogeneous. Apply thick, saturating coat of AGLAIA Wood Primer

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on rough, freely sanded wood as well as new parquet and spread out surplus product. On oak (tannic acid!) and topical woods (discolouring and drying-delaying constituents!) always try out on a test area and check suitability and drying.

- **Unglazed Cotto and stone tiles:**

Recommended for use only in rooms with balanced moisture conditions and on dry foundation, not, for example, in conservatories or sanitary units. Where possible, before laying stone tiles coat on all sides with AGLAIA Penetrating Primer. Do not joint and acid wash already laid stone tiles until after priming them with AGLAIA Penetrating Primer, to avoid pore-deep dirt in the stone tiles. Wash off cement residue thoroughly, do not drench the tiles. After drying saturate stone tiles and cement joints once again uniformly with AGLAIA Penetrating Primer. Apply finishing coat of AGLAIA Hard Resin Oil following uniform saturation and through-drying. Try out on a test area of critical substrates; fired tiles tend to effloresce if wet and in case of residual moisture.

- **Cork, wood-based materials, sandwich panels, OSB, particleboards, MDF:**

Apply thick saturating priming coat, without surplus product, with AGLAIA Penetrating Primer on compact surfaces and cork. Avoid surplus material in joints and recesses (OSB!). Seal cork joints with a paste made up of AGLAIA Penetrating Primer and cork powder.

- **Unsuitable substrates** are surfaces exposed to weathering, or surfaces highly exposed to mechanical stresses or moisture, e.g. the entrance areas of public buildings. Take into account the slower through drying, less surface hardness and scratch resistance of oil lacquers compared to synthetic resin-based parquet seals.

- **Defective substrates** require a differentiated approach, try out on a test area on site.

2.3.1. Maintenance and follow-up treatment

AGLAIA Hard Resin Oil must be left for at least 48 hours before being coated over with AGLAIA Liquid Wax. The wax increases dirt repellency and acts as a wearing coat on hard-wearing surfaces. Due to risk of slipping after applying the wax, put up warnings in public buildings and never use waxes on stairs. Handle freshly oiled and waxed floorings carefully and wait at least a week before cleaning with a damp, well-wrung out cloth or mop. Continuous care by adding AGLAIA Self-Glossy Wax to the water used to wipe clean surfaces. Please note and follow the AGLAIA Care Guidelines for oiled and waxed floors; this is a contract element in accordance with VOB DIN 18356 and 18367.

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 that the product is used by qualified persons only.

- 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 with a powered mixing paddle, carefully, down to the bottom of the container; particularly important for satin matt and Glaze White.
- Only use containers from the same production batch to coat self-contained areas. Mix together different containers before use.
- Colourless (satin matt) and Glaze White (satin matt) can be mixed with each other as required, e.g. to renovate wooden plank floorings that have turned dark.
- Ensure sufficient qualified workers and smooth, uninterrupted coating process.
- Minimum application temperature: +18°C.
- Drying time per coat: in normal climate is ready to sand and coat over after 24 hours. Only coat over or cover dry coats.
- Treat fresh coats carefully; avoid moisture, dirt and dust. Wait at least 24 hours before walking on floors and wear disposable shoe covers.
- Ensure sufficient ventilation (purge ventilation) and heat (room temperature) for several days for drying.
- Tack-free in normal climate after several days, avoid excessive coat thicknesses and gluing up/clogging, e.g. in parquet joints. Leave rooms for at least 1 week before moving in furniture or laying carpets or mats.

2.4.2. Application

Apply with flat brush, wide brush, sealing brushes, lacquer or sealing rollers.

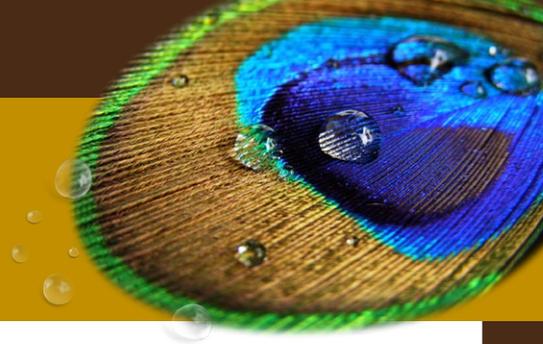
- Apply as a thin coating, smoothly seamlessly and uniformly in the direction of the grain or figure. Delayed drying and surface imperfections if applied too thickly and/or non-uniformly. Avoid roller edges, overlapping and joints.
- If necessary, thin with up to 3% AGLAIA Balsam Lacquer Thinner, especially the first coat.
- Apply two coats of AGLAIA Hard Resin Oil with at least 24 hours between each coat.
- In case of dust inclusions and a long time between the coats (> 1 week), finely sand the surface and remove dust first before coating.
- Store and dispose of impregnated cleaning cloths in closed, airtight metal container due to risk of auto-ignition.

2.5. Auxiliary products

- AGLAIA Balsam Lacquer Thinner: thinner and for substrate and tool cleaning.

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- AGLAIA Wood Primer: priming oil that is non-swellable in water for use on wooden parquet.
- AGLAIA Penetrating Primer: priming oil for wood-based materials, cork and unglazed stone tiles.
- AGLAIA Liquid Wax: natural wax for machine application for finish coating.
- AGLAIA Self-Glossy Wax: cleaning and care product, add to water used to wipe clean surfaces.

3. Application Rate and Container Sizes

Application rate approx. 0.08 L per pass and m².

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. Safety Instructions

- Comply with the Safety Data Sheet. Avoid contact with skin and eyes. Repeated exposure may cause skin dryness or cracking. Repeated contact may cause allergic reactions in people who are particularly sensitive. For details of product composition refer to AGLAIA full declaration. Even natural products are not free from emissions. Ensure sufficient ventilation and heat. Do not occupy rooms until they are through-dry and all odours have dissipated. Do not breathe vapour / spray. Do not breathe sanding/grinding dust and spray. Protect the surroundings from splashes. No smoking, keep away from sources of ignition. Keep out of the reach of children. Avoid release into the environment. Obtain special instructions / refer to the safety data sheet for advice. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Cleaning cloths and other contaminated materials constitute a potential fire hazard. After use, collect in closed, non-flammable containers and dispose of safely. Dispose of product residues in accordance with the legal regulations.
- Waste code (EWC code): 080111

7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information and tips are provided without guarantee and do not establish rights to make any claims of any kind whatsoever. The information provided does not release the user from their responsibility to check the product's suitability and application method for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet becomes invalid automatically when a new edition is issued. The information in the current version of the Safety Data Sheets is binding for classification according to the Hazardous Substances Regulations, disposal, etc.

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