

# AGLAIA Worktop Oil

**Solvent-free, dirt and water-repellent oil-wax mixture for furniture surfaces in indoor applications**

## 1. Product properties

Professional oil-wax finish for kitchen worktops, counter tops, furniture fronts, and children's toys as protection against wetness, abrasion, and dirt. Universally suited for solid wood and engineered wood. Solvent-free, open-pored, water-repellent, and abrasion-resistant. Do not use for outdoor applications.

### 1.1. Composition

- Linseed oil/linseed stand oil - nut oil mixture, dryers
- Micro-wax, alumina, kaolin
- Solvent-free, low VOC
- "Glassy recipe": see AGLAIA full declaration

### 1.2. Technical properties

#### 1.2.1. Overview

- Used for interior applications
- Durable, abrasion-resistant
- Impregnating, water-repellent, diffusion-capable
- Semi-gloss, tactile-friendly, smooth oil-wax finish
- Easy to maintain; system offers essentially unlimited renovation.
- Economical and highly-professional processing; high-yielding
- Suitable for children's toys (DIN EN 71-3).

#### 1.2.2. Important construction characteristic values

Parameter	Value	Conformity
Density 20°C:	approx. 0.96 kg / L	
Viscosity 20°C:	approx. 6 dPas	
Flashpoint:	> 200 °C	DIN 53213
Toy safety:	fulfilled	DIN EN ISO 71-3 (2013:07)
VOC content (max.):	1 g / L	ChemVOCFarbV, cat. A / e

#### 1.2.3. Color hue

- Colorless-transparent with natural intrinsic tinting; test grain accentuation properties on original substrate.

## 2. Processing

### 2.1. Substrate requirements

- The substrate must be clean, dry, and solid. It must also be free of efflorescent, discoloring, adhesion-inhibiting substances and/or drying-inhibitors.
- Professionally install furniture fronts, worktops, etc. and finish-smooth sand surfaces

### 2.2. Abbreviated information for standard application

- Apply saturating layer of AGLAIA Worktop oil and carefully spread non-absorbed excess after approx. 20 min. Wait at least 12 - 16 hours before applying one more coat on highly-absorbent or unevenly absorbing substrates.

### 2.3. Substrate and pretreatment

- **Wood (solid wood, engineered woods) for worktops, furniture fronts, shelves, view wood, casings, toys, etc.:**  
Carefully sand absorbent, untreated wood (finish sand: 240 grain) Completely sand off or replace soft and grayed over wood. Maximum wood moisture content: 14% Thoroughly wash off grease, resin and wax with AGLAIA Balsam lacquer thinner. In hot temperatures, resin-rich wood tends to exhibit resin flow. Due to drying-induced distortion and discoloration, oak (tannic acid) and tropical woods are not suited for oil treatment; testing is mandatory. Use hardwoods for surfaces and worktops subject to mechanical wear. For engineered woods, test suitability for the intended applications and follow corresponding coating guidelines from supplier. Avoid overhanging material in joints and cavities (OSB) as these cause tackiness and odors. Thoroughly degrease and remove wax from surfaces to be renovated (basic cleaning e.g. with abrasive sponge and AGLAIA Balsam lacquer thinner), sand until visually uniform. On scratched, high-wear surfaces, coarse sanding down to bare wood. Due to residual odors, do not treat cabinet interiors and drawers with worktop oil - only coat with AGLAIA Rapid wood primer W.
- **Unsuited substrates** include areas exposed to weather and areas with extended exposure to wetness, dirt, or mechanical wear. Observe design-based wood protection. Test tropical woods and oak.
- **Deficient substrates** call for a differentiated approach and testing.

# AGLAIA Worktop Oil

## 2.3.1. Care and maintenance

For open-pored oil-wax treatments, take into account the delayed drying, along with reduced surface hardness, and lower resistance to water, chemicals, and scratching in comparison to conventional synthetic seals and furniture varnishes. Treat newly finished surfaces with care and wait at least one week before cleaning with damp film. Avoid aggressive cleaning agents, abrasives, micro fibers, etc. along with excessive water and penetrating fluids, use cutting boards and wipe down and dry off worktops and counter tops immediately after use. For regular care, add AGLAIA Self-glossy wax to the wiping water. Worn surfaces can be retreated at any time after a thorough cleaning and sanding.

## 2.4. Processing instructions

### 2.4.1. General instructions

- Test substrate suitability. Note absorption capacity, strength, and texture of the relevant substrate. Test demanding and critical surfaces. Ensure qualified processing. Untreated surfaces must be carefully covered and protected against splashes. Supply personal protective gear.
- Before use, thoroughly shake AGLAIA Worktop oil. Treat self-contained surfaces exclusively with containers from the same manufacturing batch.
- Do not process on wet, cooled down, or heated up surfaces. Max wood moisture content: 14%.
- Minimum processing temperature: +18°C. Allow to dry by providing airflow (airflow bursts) and heat (min. 18 °C), do not allow rooms to cool down. Treat new finishes with care, protect against wetness, dirt, and dust.
- Drying time: in normal climate, dust-dry after approx. 6 - 12 hours; for uneven saturation, wait at least 12 - 16 hours before applying a second coat. Avoid excess coat thickness and tackiness in joints.

### 2.4.2. Processing

- Apply a saturating coat of AGLAIA Worktop oil over the entire finish-sanded surface area, using a flat brush, sealer brush, short-pile roller, sponge, lint-free ball rag, or by spraying. Apply additional oil on highly-absorbent, penetrating areas.
- Depending on the applied quantity, the absorption capacity of the substrate and the processing method, carefully distribute the worktop oil after approx. 20 minutes, then carefully collect non-absorbing excess using a clean, lint-free ball rag, pad, or sponge. The surface now needs to be essentially dry to the touch. Excess material causes tackiness and drying-induced distortion. Do not allow runs, heavy edges, and puddles to remain.
- Process the full surface area of self-contained surfaces in one process step, coat edges and corners wet-in-wet by blending the material in with the surface and collect excess over the entire surface area.
- In the event of dust inclusions and for extended hold times, sand lightly between coats, remove dust.
- Due to auto-ignition risk, store and dispose soaked cleaning rags and ball rags in air-tight, sealed metal containers. For oily airborne spray, note spontaneous combustion hazard in vacuum collector filter pads.

## 3. Yield and container sizes

Consumption ranges between 0.06 - 0.08 l/m<sup>2</sup> per coat, depending on substrate and processing method. Exact values can be determined with test areas on the workpiece.

**Container sizes:** 0.25 L / 0.75 L / 2.5 L / 10 L

## 4. Cleaning

Thoroughly clean tools, and soiled clothing with AGLAIA Balsam lacquer thinner immediately after use.

## 5. Storage

Min. shelf life: 2 years when kept tightly sealed in original container. Seal partially used container air-tight. Do not mix in skin layer.

## 6. Hazard notices, safety instructions, and disposal

Note EC safety data sheet. Safety data sheet available on request. Keep out of reach of children. Harmful to aquatic life with long lasting effects. Avoid release into the environment. Dispose contents/container in compliance with regulatory codes. Rags soaked with product can auto-ignite due to auto-oxidation. After use, collect in sealed, non-flammable containers and dispose safely.

- Waste code / product and product leftovers 080112

## 7. Declaration

This technical information is intended to advise you based on our findings and practical experience. All notices are non-binding. They do not relieve the user from performing their own substrate-dependent tests for product suitability and processing method. Technical changes due to product development made without notice. Third-party additives for tinting, diluting, etc. are not approved. Test color prior to processing. This leaflet automatically expires when a revised edition is published. The details in the EC safety data sheets in their current version are binding for the classification as per hazmat directive, disposal, etc.