

# AGLAIA Aquasol Stone Oil

## Water-borne resin/oil treatment for screeds and stone floors indoors, silk matt

### 1. Product features

Easy-to-use, natural-based coating and consolidating agent for absorbent, porous mineral substrates such as cement and anhydrite screed, concrete, unglazed ceramic and cotto tiles. Solvent-free, recommended for building biology and indoor climate. Tread-resistant and easy to maintain with a discreet silky matt, natural surface. Suitable for floors in residential and commercial areas such as corridors, offices, hobby and work rooms, restaurants, studios and foyers, not for wet rooms or garages.

#### 1.1. Composition

- Resin/oil mixture emulsified in water, free of solvents, wax and plasticisers
- Matting with silicic acids, mineral pigmentation: lightfast and of natural origin
- "Glass formulation": see AGLAIA full declaration

#### 1.2. Technical properties

##### 1.2.1. Overview

- Indoor application
- Saturates and protects absorbent, porous substrates
- Hardening, tread and abrasion resistant, dust-binding
- Natural, discreet surface character
- Easy to maintain, especially with colourless treatment
- Mild odour, low VOC and solvent-free

##### 1.2.2. Important building physics parameters

Parameters	Value	Conformity
Density 20°C:	1.03 kg / L	
pH value 20°C:	8 - 9	
Gloss level:	silk matt	EN ISO 2813
VOC content (max.):	18 g/L	Directive 2004/42/EC (limitation of VOC emissions of paints and lacquers), Cat A / i

##### 1.2.3. Colour tone

- Colourless, as well as optionally factory-tinted glazed semi-opaque or thin-layer opaque according to NCS and RAL. Determine substrate influence and grain accentuation using a sample surface on the object. Milky, transparent after drying.

### 2. Processing

#### 2.1. Requirements for the substrate

- The substrate must be clean, dry, firm and load-bearing and free from efflorescent and separating substances. Screeds etc. must be dried to household moisture content and free from rising or accumulating moisture. Check moisture content and strength. Smooth the screed with a fine, careful final sanding; the low-viscosity oil does not level out any unevenness. After sanding, remove dust thoroughly with a Hoover, also in joints.
- Application of AGLAIA Aquasol Stone Oil only on fully porous, absorbent and water-wettable substrates, free of waxes, silicones, grit and other substances that impair adhesion.
- Determine any surface defects such as discolouration, efflorescence or cloud formation as a result of different absorbency, sintering, composition or compaction of the building material surface in advance by means of a sample area on the object. Carefully repair chippings and defects in the same type and structure.

#### 2.2. Brief information on the standard structure

- Apply two to three coats of AGLAIA Aquasol Stone Oil. First application saturates the substrate; second application after 16 - 24 hours at the earliest to seal evenly. Optional third application for heavy use.

#### 2.3. Substrate and pre-treatment

- **Cement, magnesia, anhydrite, dry and prefabricated screed, concrete, unglazed terracotta and stoneware, brick, absorbent, porous mineral substrates:**

Check the screed for proper installation and freedom from damage (cracks etc.), grind off any sintered layer. The alkalinity of cement screed and concrete must be reduced to max. pH 10 near the surface. Residual moisture: Cement screed < 2.0 CM-%, anhydrite screed < 0.5 CM-% / with underfloor heating: < 1.5 CM-% or < 0.3 CM-%. Gradually increase underfloor heating to full power before surface treatment in accordance with the instructions. Switch off 24 h before treatment, switch back on gradually 72 h after last treatment. Water flow with 5° C increase per day up to max. 30°C flow temperature. Treat fresh cotto tiles with AGLAIA Aquasol Stone Oil before laying. Gently and quickly acidify and wash off any cement residue from the primed tiles after grouting. At the earliest 10 days after grouting, treat the entire floor with AGLAIA Aquasol Stone Oil twice.

- **Unsuitable substrates** are low-strength, efflorescent and non-porous substrates, e.g. terrazzo, mastic asphalt.
- **Defective substrates** require a differentiated approach. Sample critical substrates.

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## 2.4. Processing instructions

### 2.4.1. General information

Check substrate suitability (see 2.1. and 2.3.). Take into account the absorbency, strength, moisture content, alkalinity and structure of the respective substrate. Sample demanding and critical surfaces.

- Carefully cover surfaces that are not to be treated and protect them from splashes.
- Ensure sufficient qualified labour and a smooth workflow.
- Treat self-contained surfaces in a single operation without interruption.
- Stir AGLAIA Aquasol Stone Oil carefully to the base of the container before use.
- Prepared ready for use. If necessary, dilute with approx. 5% water, especially when applying for the first time.
- Do not use on heated or cooled surfaces. See above for notes on underfloor heating.
- Minimum processing temperature: +16°C floor temperature.
- Drying time: at 20°C / 55% RH after 16 - 24 hours in overshoes can be walked on and painted over. Treat fresh coats gently, protect with dirt, moisture and abrasion. Can be walked on normally after 3 days, final load-bearing capacity after 7 - 10 days, do not cover floors with carpets, foils, heavy furniture etc. until then. Provide ventilation (shock ventilation) and heat for drying. Permanently elastic grouting after 7 days at the earliest.

### 2.4.2. Processing

With a short-pile floor roller (sealing roller). On self-contained surfaces, apply quickly, evenly saturated and without overlaps in a single cross-coat without interruption. Avoid overlapping and drying. Trim edges only narrowly with a brush and apply wet-on-wet together with the surface. Even larger self-contained areas can be worked hand-in-hand seamlessly without drying or interruption. On normally absorbent floors, ensure good and even saturation during the first application. Also check the second application after at least 16 - 24 h evenly and seamlessly in a criss-cross pattern, quickly and without rolling edges, in grazing light. Apply a total of 2 - 3 full-surface coats of AGLAIA Aquasol Stone Oil, diluted with 5 % water if necessary.

### 2.4.3. Maintenance and Care instructions

For regular cleaning, we recommend adding AGLAIA Care Emulsion to the mopping water. Avoid abrasive brushes, microfibres, scouring agents and steam cleaners as well as standing water. Clean floors only with a damp cloth. In the event of running marks or damage, clean thoroughly, sand and treat partially or completely as required. Dirt traps in the entrance area and carpet runners in walkways increase durability. Use office chairs with hard floor castors or floor protection mats.

## 3. Application rate and Container Sizes

Consumption is approx. 0.08 - 0.11 litres of AGLAIA Aquasol Stone Oil per m<sup>2</sup> and application. Determine object-specific consumption values using a sample surface.

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

## 4. Cleaning

Clean tools and soiled clothing thoroughly with water immediately after use.

## 5. Storage

Shelf life is at least 12 months if stored cool and frost-free in the original container. Seal opened containers airtight and use as soon as possible. Sieve off any dried material, do not stir it in.

## 6. Hazard notes, Safety instructions and Disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. May cause allergic reactions. Store soaked cleaning cloths in an airtight metal container due to the risk of spontaneous combustion. Dispose of in accordance with legal regulations. Waste code: 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.