

AGLAIA Premium Emulsion Paint

Solvent-free, professional grade natural emulsion paint for high-cover wall coats in indoor applications.

1. Product properties

Universally suited for indoor applications in residential and office areas, schools, kindergarten, and public facilities on wall and ceiling surfaces. Ideal for plaster, wall fleece, drywall, and old dispersion paints. Diffusion-capable with outstanding user and processing properties. Due to its subtle, matte appearance, ideally suited for demanding contemporary interior design. Ecological valuable relying on renewable, plant-based and mineral-based raw materials.

1.1. Composition

- Emulsified vegetable stand oils and modified resins
- Mineral pigments: light-fast and of natural origin
- Free of solvents and softeners, low emissions and VOC
- "Glassy recipe": see AGLAIA full declaration

1.2. Technical properties

1.2.1. Overview

- Used for interior applications
- High opacity, DIN EN 13000 class 1*
- High wet abrasion resistance, DIN EN 13000 class 2*
- Low-stress
- Easy to process
- Optimum light and colour-fast in all nuances
- Permeable to water vapor with ideal construction physical properties

1.2.2. Important construction characteristic values*

Parameter	Value	Conformity
Density 20°C:	1.41 kg / L	
pH value _{20°C} :	9	
Dynam. viscosity 20°C:	5,500 mPas	
s _d value (H ₂ O):	< 0.1 m	
Opacity / contrast ratio:	class 1	DIN EN 13300
Wet abrasion resistance:	class 2	DIN EN 13300
Grain:	fine	DIN EN 13300
Sheen at 85°:	dull matte	DIN EN ISO 2813
Flammability class:	A2 non-flammable	DIN EN 13501-1, DIN 4102
VOC content (max.):	< 0.1 g / L	ChemVOCFarbV, cat. A / a

**) applies for white, hue-dependent variances possible*

1.2.3. Color hue

- White. Ready-mixed from pastel to full colour hues.

2. Processing

2.1. Substrate requirements

- The substrate must be clean, dry, and solid. It must also be free of efflorescent, discoloring substances and release agents. Inspect new plaster for dryness and strength.
- Carefully repair breakouts and defects with the same material and texture. Refurbish cracked substrates for plastering.
- Ensure uniform substrates and careful processing on optically demanding surfaces.

2.2. Abbreviated information for standard application

- One to two coats of AGLAIA Premium Emulsion Paint.
- On highly-absorbent substrates, apply a primer coat with approx. 25% water added or AGLAIA Emulsion Primer.

2.3. Substrate and pretreatment

- **Gypsum plaster, gypsum stucco, lime plaster (PI/CSII), lime-cement plaster (PII), cement plaster (PIII):**

Inspect plaster for dryness, strength, and alkalinity. Grind off any sinter skin. Primer highly absorbent plaster with AGLAIA Emulsion Primer, or directly with AGLAIA Premium Emulsion Paint, diluted with approx. 25% water. Solidify superficially sanding, but bonding plaster with AGLAIA Emulsion Primer, test. High alkalinity, fresh lime and cement plasters are not suited for emulsion paints (saponification, filming), recommended: BEECK mineral paints.

- **Gypsum plasterboard:**

For gypsum plasterboard, note professional installation and required surface finish and flatness tolerances based on existing building and side lighting conditions. Primer the entire surface area of gypsum plasterboard with AGLAIA Emulsion Primer, or directly with AGLAIA Premium Emulsion Paint, diluted with approx. 20% water; do not primer water-repellent, impregnated panels.

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- **Engineered woods (OSB, MDF):**

Wall fleece recommended due to discoloration risk. Not suited for surfaces with spray water exposure.

- **Lime sandstone, kiln brick:**

Clean surface, test/inspect for absorption capacity, moisture damage, and leeching (e.g. salt stains). Repair / replace brittle stones and joints. Pretreat highly absorbent substrates with AGLAIA Emulsion Primer.

- **Clay:**

Allow clay to dry to household moisture content; use broom to brush off crumbling excess grain. Apply a primer coat of AGLAIA Emulsion Primer or AGLAIA Premium Emulsion Paint, diluted with approx. 25 % water. Test critical substrates.

- **Concrete:**

Wash off release agent residue with water and form oil remover. Fresh, high-alkaline concrete is unsuited.

- **Wall fleece, fabric, textured wallpaper, woodchip wallpaper:**

Note uniform, overlap-free bonding over the entire surface, including in the seam area.

- **Old paint:**

Clean matte, absorbent and synthetic or natural resin-based dispersion paints that bond over the entire surface area. Paint directly with AGLAIA Premium Emulsion Paint, test critical old coats. Remove enamel, oil, and latex coats. Brush off chalking coats, wash off glue paints completely. Renovate high-alkaline lime and silica paints with the BEECK mineral paint system.

- **Unsuited substrates** include low-strength, leeching, and pore-free substrates, such as plastics, enamel paints, plasto-elastic old paints, and metals.

- **Deficient substrates** call for a differentiated approach. Test critical substrates. Rooms with consistently high humidity and/or mold risk (e.g. basements) are not suited.

2.4. Processing instructions

2.4.1. General instructions

Verify substrate suitability. Note absorption capacity, strength, and texture of the relevant substrate. Test demanding and critical surfaces. Check colour before application.

- Carefully cover and protect untreated surfaces, in particular floors, windows, furniture, expansion joints against overspray.
- Paint self-contained surfaces exclusively with containers from the same manufacturing batch.
- Before use, thoroughly stir AGLAIA Premium Emulsion Paint and add water to optimize for application.
- Do not apply on heated or chilled surfaces. Minimum processing temperature: +16°C
- Drying time: at room temperature (20 °C / 65 % rel. humidity) wait at least 12 hours before applying the next paint coat.
- Promote drying by providing airflow (airflow bursts) and heat (room temperature) for several days.

2.4.2. Processing

With roller, brush, or with airless spray method. On self-contained surfaces, apply over-cross as a uniform film without overlap in a single pass.

- **Application with roller or brush:**

Use rollers with uniform coating pattern. Avoid roller edges, overlaps, and drying. Blend in with the surface by feathering edges wet-on-wet. Spread in random pattern with BEECK mineral paint or oval brush to achieve a brushed finish.

- **Coats:**

1. Primer coat: add approx. 5 % - 10 % water to optimize application. Highly absorbent substrates can be primed with a primer coat by adding approx. 25% water.

2. Topcoat: wait at least 12 hours; apply undiluted or optimized for brushing with max. 5 % water.

If processed with care, one coat may be sufficient on uniform substrates, e.g. for renovation coats. Adjust with 5% water and apply evenly, do not leave bare spots.

- **Spray method (airless):**

Nozzle: 0.53 mm / 0.021 inch. Before use, screen product and dilute with approx. 5% water.

Apply evenly, blend in with roller as needed.

3. Yield and container sizes

The yield for smooth, normally absorbing substrates is approx. 0.12 L per m² and pass. Determine substrate-dependent yield variances and number of coats in on-site surface tests.

Container sizes: 1 L / 4 L / 12.5 L

4. Cleaning

Thoroughly clean equipment, tools, and soiled clothing with water immediately after use. For optimum cleanability use impregnated rollers, e.g. Storch DuraSTAR 21.

5. Storage

12-month shelf-life if stored in cool and frost-free conditions in the original container. Use up partial containers as soon as possible.

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6. Hazard notices, safety instructions, and disposal

Comply with the safety data sheet. Safety data sheet available on request. This product is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. May produce an allergic reaction. Do not breathe vapours, dust or spray mist. Carefully protect the area surrounding the surface to be coated, wash off splashes immediately with water. Disposal in accordance with the official regulations.

- Waste disposal number: 080112

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 Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.