

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, plasterboards, and old emulsion paints. Diffusion-capable with outstanding user and processing properties. Due to its subtle, matte appearance, ideally suited for demanding contemporary interior design. Biologically valuable, plant- and mineral-based.

1.1. Composition

- Modified plant-based stand oils and resins, emulsified in water
- Mineral pigments: light-fast and of natural origin
- Free of solvents and softeners, low emissions and VOC

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-fastness
- 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. Depending on the colour, deviations are possible.

1.2.3. Color hue

- White and ready-mixed, including solid colours (CG I to IV). Please note that tinted coatings have reduced durability. Cleaning and repairs may result in visible defects on the surface.

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.
- 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.

2.3. Substrate and pretreatment

• Plaster, stucco, lime-cement plaster (PII), cement plaster (PIII):

Check for dryness and strength. Remove sinter skin. Prime highly absorbent or sanding plaster with BEECK Primer Aqua or pre-coat directly with BEECK Premium Emulsion Paint, diluted with 25% water. Highly alkaline, fresh lime/cement plasters are not suitable (saponification). Recommendation: BEECK mineral paints.

• Plasterboard:

Ensure professional installation, required surface quality and flatness tolerances. Cover critical substrates over the entire surface with wall fleece. Do not prime pre-impregnated plasterboard (wet room boards).

• Wood-based materials (OSB, MDF):

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

• Wall fleece, fabric, textured wallpaper, woodchip:

Ideal for water-wettable, non-warping fabrics and papers. Ensure that the wall covering is glued well.

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• **Film-forming old coatings, wall paints:**

Clean firmly adhering emulsion coatings. Brush off chalking, leach glossy coatings and sand to a matt finish, test in advance. Remove varnishes and plasto-elastic synthetic resin coatings as completely as possible. Oil paint bases, etc. can be renovated in style with BEECK stand oil paints. Wash off glue paints and distempers completely, observing any monument preservation requirements.

• **Unsuited substrates** include low-strength, leaching, and pore-free substrates, such as enamel paints, plasto-elastic old paints, and plastic.

• **Deficient substrates** call for a differentiated approach. Treat salt- and moisture-contaminated basement walls with a renovation plaster and continue treatment with BEECK mineral paints.

2.4. Application instructions

2.4.1. General instructions

- 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.
- Carefully cover surfaces which are not to be treated and protect them from splashes.
- Only use containers from the same production batch to coat self-contained areas.
- Stir BEECK Premium emulsion paint with a powered mixing paddle before use. Add water for optimally application.
- Minimum application temperature: + 18°C. Ensure proper ventilation and room ambient temperature while drying.
Drying time: at least 12 hours per coat.

2.4.2. Application

With roller or spraying. 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. Apply on self-contained areas in a thin coat and uniformly by cross coating.

• Application with roller:

- Rollers with a uniform coating finish are suitable, e.g. Storch DuraSTAR 21.
- Avoid roller edge marks, ridges and joints. Cut-in edges smoothly and seamlessly wet-on-wet.
- Coats
 - 1. Primer coat: thin with around 5 % – 10 % water.
 - 2. Topcoat: After at least 12 hours, undiluted or thinned with max. 5 % water.
- Processing in a very carefully application method provides a single renovation coat on suitable surfaces. Thin with approx. 5 % water and apply very uniformly in a zero-defect coat.

• **Spray application:** Sieve if necessary and thin with approx. 5 % water. Nozzle: 0.53 mm / 0.021 inch. Apply evenly. Test application is always recommended.

3. Yield and container sizes

The yield for smooth, normally absorbing substrates is approx. 0.12 – 0.13 L BEECK Mattolin *Design* per m² and pass. Try out on a test area on site.

Container sizes: 1 L / 5 L / 12.5 L

4. Cleaning

Thoroughly clean equipment, tools, and soiled clothing with water or soap water immediately after use.

5. Storage

Stored cool and frost-free, BEECK Premium Emulsion Paint can be kept for at least 12 months. Use up opened containers as soon as possible.

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. 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.