

## AGLAIA CASEIN BINDER PAINT

Breathing, white casein dispersion paint for walls and ceilings indoors. Washable according to DIN 53 778. Ideal base coat for toned wall glazing technique with AGLAIA BEESWAX GLAZE BINDER. Exclusively made from natural raw materials.



### Ranges of Application:

For universal indoor use, on all coatable walls and ceilings in private homes as well as commercial, industrial and public buildings, such as schools and kindergartens. Recommended as a wall coating from a biological and ecological building point of view for creating an agreeable room climate. Because of its lack of own structural grain, perfect for grained plaster surfaces when used as a white base coat for glazes, see also AGLAIA STRUCTURAL CASEIN PAINT. Ideal for coarse grained wall papers, grained lime and gypsum plasters, light-weight building boards and recoatable old coatings.

### Processing:

Carefully stir up AGLAIA CASEIN BINDER PAINT. Apply by brush or lambskin roller. Apply thoroughly, lap-free, in thin layers, especially when preparing the surface for subsequent glazing. One base and one top coat each, with a drying time of at least 12 hours inbetween. Always thin with 8 % to max. 10 % water and make sure to apply sparingly.

Allow coating to dry for at least 2 days before treating with AGLAIA BEESWAX GLAZE BINDER.

Prime absorbent surfaces, especially gypsum, with AGLAIA PRIMER thinned with 2 parts water, see Surface and Pretreatment on the backside of this information sheet.

### Technical Features:

Easy-to-process, white-matt casein dispersion without structural grain. High covering capacity, extremely economic in use. Washable according to DIN 53 778. In combination with AGLAIA BEESWAX GLAZE BINDER proven successful on millions of squaremeters in private, commercial and public buildings. Virtually non-yellowing. High whiteness and ideal porosity. When used on fresh lime plasters, particularly durable and solid due to the formation of lime caseinate. Extremely diffusible and absorbent providing an ideal room climate.

### Water absorption and water-vapor diffusion characteristics:

W<sub>24</sub>-value: 0.4 kg/(m<sup>2</sup>h<sup>1/2</sup>)  
s<sub>d</sub>-value (H<sub>2</sub>O): 0.05 m

### Physical/Technical Characteristics:

Density: 1.33 g/cm<sup>3</sup>  
pH Value: 9  
Dynam. viscosity: 6,500 mPas

### Color tone:

White. Can be toned to pastel intensity with AGLAIA FULL COLOR WALL PAINTS. Choice of pigments for toned wall glazing with AGLAIA BEESWAX GLAZE BINDER, see AGLAIA PIGMENTS Color Chart.

### Drying:

Under normal conditions, touch dry after 2 hours, safe to coat after 12 hours. Toned glazing possible after 2 days. Safe to resist mechanical stress after 10 days. Ensure proper ventilation while drying.

### Yield:

On moderately absorbent, smooth surfaces: approx. 0.10 to 0.12 l per coat and m<sup>2</sup>.

### Available Sizes:

1 l, 5 l and 10 l.

### Cleaning:

Clean appliances, tools and clothes with water immediately after use.

### Storage:

Lasts at least 12 months when stored cool and free of frost in the airtight sealed original container. Once opened, cover with very little alcohol, re-seal container airtight and use up as soon as possible.

### Composition:

Full declaration according to the quality standards of the Association for Natural Colors (AGN):

[1]: Tap water, Titanium dioxide; [2]: Aluminum silicate, Zinc white, Lipophilic swelling clay, Borax, Beech cellulose, Talcum, Mica, Olein, Shellac, Milk caseine, Citrus peel oil; [3]: Thyme oil, Eucalyptus oil, Linseed (stand) oil.

Explanation of Symbols:

[1] ... Raw material rate in product > 10%  
[2] ... Raw material rate in product 1-10%  
[3] ... Raw material rate in product < 1%

## AGLAIA CASEIN BINDER PAINT

### Surface and Pretreatment:

#### General Requirements:

The surface must be clean, dry, solid and coatable. Check fresh plaster for sinterskin (glass-like glossy, waterproof surface). If necessary, sand to make the plaster absorbent. Thoroughly dry-brush water seams and spot-seal with AGLAIA SHELLAC INSULATING PRIMER or seal the entire surface with AGLAIA INSULATING WHITE. Touch up open spaces and flaws to match style and structure. Reinforce cross joints of light-weight building boards with fabric, level out with filler and sand. Observe the board manufacturer's instructions.

#### Suitable Surfaces:

► Lime plaster (Plc), Lime based cement plaster (PII): Optimum adhesion to fresh, but dry lime or lime based cement plasters. Precoat weakly absorbent plasters with AGLAIA CASEIN BINDER PAINT, thin with 10 % water. Prime normally to strongly absorbent plasters with AGLAIA PRIMER, diluted with 2 parts water. Solidify crumbly, sanding plasters with AGLAIA PENETRATING PRIMER.

► Gypsum plaster (PIV), Gypsum based lime plaster (PVC), Gypsum plaster boards and Fibrous plaster boards:

Imperative to prime with AGLAIA PRIMER, thinned with 2 parts water. Only gypsum plaster boards with a water-repellent impregnation (wettability test!) are excluded from this must.

► Wood based materials, Chipboards and Wood based cement:

Prime with AGLAIA PENETRATING PRIMER and, if required, precoat with AGLAIA INSULATING WHITE because of water-soluble, bleeding substances contained in wood chips and resins. Make samples!

More suitable alternative for smooth surfaces: AGLAIA STRUCTURAL CASEIN PAINT.

► Concrete, Fibrocement:

Thoroughly remove remainders of molding oil from concrete with soap water. Wettability test with clear water. In case of insignificant absorption capacity, no special priming is required. Prime stronger absorbent surfaces with AGLAIA SEALER.

► Lime sandstone, Brick:

Carefully brush and prime absorbent masonry with AGLAIA PRIMER, thinned with 2 parts water. Sand smooth, dense hard-burnt brick and evenly precoat with AGLAIA RESIN BONDING COAT. Texture and grain remain visible. Alternative: AGLAIA STRUCTURAL CASEIN PAINT.

► Coarse grained wall papers, Glass-fiber and textile fabrics:

Check for full-surface, stressfree adhesion, also in seam areas.

► Old coatings:

Check for recoatability and adhesion. Thoroughly clean old, dull wall paints and coat directly with AGLAIA CASEIN BINDER PAINT. Degrease shiny oil or latex coatings with an off-the-shelf alkaline solution or a 2 % ammonia solution, matt-sand and precoat with AGLAIA RESIN BONDING COAT. Taken that the grain will otherwise remain visible, it is recommended to continue with AGLAIA STRUCTURAL CASEIN PAINT. Old non-washable distempers will easily get soaked when in contact with water, and may be removed completely using water and a brush. Carefully brush chalking lime and silicate coatings.

### Safety Instructions and Disposal:

► Hazard Class: not subject to identification requirements under Toxic Chemicals Ordinance/ EU Directive.

Chemically sensitive and environmentally ill persons, please pay attention to the full declaration. Keep out of reach of children. Do not dispose of organic coatings into the sewage system. Disposal of product remainders according to legal regulations. Disposal of empty containers through resource collection points.

► Waste Code: Product and Product Remainders (European Waste Code): 080199 (Coatings).

It is our objective to provide, through this technical information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulation, disposal etc.