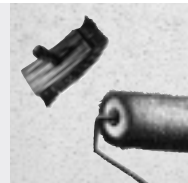


AGLAIA STRUCTURAL CASEIN PAINT

Fine-grained, breathing white casein dispersion paint for walls and ceilings indoors. Ideal base coat for colored 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 kindergardens. Recommended as a grain-enriched wall coating from a biological and ecological building point of view for creating an agreeable room climate. Mainly used as a white glaze undercoat for smooth surfaces because of its fine structural grain (0.4 mm) that creates a lively, most attractive light scattering. Ideal for lime and gypsum plasters, light-weight building boards, wall fabrics and recoatable old coatings.

Processing:

Carefully stir up AGLAIA STRUCTURAL CASEIN PAINT and apply with soft brush or lambskin roller. Apply evenly, lap-free, in thin layers, in particular when the surface is to be glazed afterwards. Ensure uniform grain distribution. One base and one top coat each, with a drying time of at least 12 hours inbetween. For each application, thin with 8 to 15 % water and apply sparingly. Most attractive fine plaster-like glaze primer, especially when applied and distributed crosswise using a soft oval brush.

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

Prime absorbent surfaces, e.g. gypsum with AGLAIA PRIMER, see **Surface and Pretreatment** on the backside of this information sheet.

Technical Features:

Easy-use, white-matt casein dispersion paint. High covering qualities and economic in use. In combination with AGLAIA BEESWAX GLAZE BINDER, proven successful on millions of square meters in private homes, commercial, industrial and public buildings. The fine quartz grain (0.4 mm) creates a light scattering and illusion of depth effect. Virtually non-yellowing. High whiteness and ideal porosity. When used on lime plasters, particularly durable and hard-wearing due to the formation of lime caseinate. Extremely diffusible and absorbent, thus, ideal impact on room climate.

Water absorption and water-vapor diffusion characteristics:

W_{24} value: 0.5 kg/(m²h^{1/2})

s_d value (H₂O): 0.05 m

Physical/Technical Characteristics:

Density: 1.4 g/cm³

pH value: 9

Dynam. viscosity: 14,000 mPas

Color tone:

White; can be toned to pastel intensity with AGLAIA FULL COLOR WALL PAINTS. For choice of pigments for colored 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. After 2 or better 3 days, safe for color glazing. Safe for regular use after 10 days. Ensure proper ventilation while drying.

Yield:

On moderately absorbent, smooth surfaces: approx. 0.14 to 0.16 kg per coat and m².

Available Sizes:

1 kg, 6 kg and 18 kg.

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 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; [2]: Zinc white, Beech cellulose, Talcum, Titanium dioxide, Mica, Quartz sand, Shellac, Borax, Milk casein; [3]: Lipophilic swelling clay, Thyme oil, Eucalyptus oil, Olein, Citrus peel 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%

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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. Dry-brush any water marks and seal spots with AGLAIA SHELLAC INSULATING PRIMER or 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 (PIc), Lime based cement plaster (PII):

Optimum adhesion to newly applied, but dry lime or lime based cement plaster. Precoat weakly absorbent plasters with AGLAIA STRUCTURAL CASEIN PAINT, thinned with approx. 10 % water. Normally to strongly absorbent plasters should be primed with AGLAIA PRIMER, thinned with 2 parts water. Solidify crumbly, sanding plasters with AGLAIA PENETRATING PRIMER.

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

Must first be primed with AGLAIA PRIMER, thinned with 2 parts water. Only gypsum plaster boards impregnated to become water-repellent (wetting test!) will not require priming. Use AGLAIA RESIN BONDING COAT instead.

► Wood based materials, Chipboards and Wood based cement:

Water-soluble, bleeding substances from wood chips and resins. Therefore, prime with AGLAIA PENETRATING PRIMER and precoat with AGLAIA INSULATING WHITE. Make samples!

► Concrete, fibrocement:

Thoroughly remove remainders of molding oil from concrete with soap water. Wettability test with clear water. Prime strongly absorbent surfaces with AGLAIA SEALER.

► Lime sandstone, Brick:

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

► Coarse grained wall paper, Glass-fiber and Textile fabrics:

Ensure full-surface adhesion, also in the seam areas.

► Old coatings:

Check for recoatability and adhesion. Carefully clean and directly coat old, matt coatings of wall paint, using AGLAIA STRUCTURAL CASEIN PAINT. Degrease shiny oil or latex coatings with off-the-shelf alkaline solution or ammonia water (approx. 2%), matt-sand and evenly precoat with AGLAIA RESIN BONDING COAT. Old non-washable distempers will easily get soaked when in contact with water, and should be completely removed 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 Remainers (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.