BEECK'sche FARBWERKE

Technical Information Sheet, Rev. 04/2001

AGLAIA MARVELIZING SURFACER

White, marble powder enriched smoothening surfacer for decorative, high-quality AGLAIA SMOOTHENING TECHNIQUE design purposes indoors. Exclusively made from natural raw materials.

Ranges of Application:

Fine surfacer, specifically designed for AGLAIA SMOOTHENING TECHNIQUE, for use on recoatable substrates indoors to create perfectly smooth, polishable surfaces. Suitable substrates are: lime, cement and gypsum plasters, concrete, non-shrinking lightweight building boards and recoatable old coatings. Precoat smooth surfaces with AGLAIA RESIN BONDING COAT, then apply 2 to 4 partial or full-surface coats using AGLAIA MARVELIZING SURFACER. Use AGLAIA PIGMENTED MARVELIZER for colored finish coat, see also Technical Application Guide for AGLAIA SMOOTHENING TECHNIQUE.

Processing:

Carefully stir up AGLAIA MARVELIZING SURFACER and, depending on surface, apply 2 to 4 coats using a special, hardened stainless steel smoothing trowel or Japanese spatula. Apply first coat in required layer thickness (0.5 to max. 2 mm). Second and any further coats full-surface or spotwise, as required, until a uniformly smooth surface is obtained. Drying time for each layer: at least 4 hours, with subsequent dry-sanding (grit 240, increasingly finer). Carefully remove dust. AGLAIA MARVELIZING SURFACER may be softened by adding 2 to 4 % water. Finish coat must always be nondirectional using spot application technique. Prior to color treatment using AGLAIA PIGMENTED MARVELIZER, the pretreated surface must be absolutely smooth and even. Therefore, dry-sand entire surface beforehand using a vibration sander (grit 240 or finer, with dust removal) or a polishing pad in case of curved surfaces. Thoroughly dedust and wipe using a dust-binding cloth. Do not yet polish because the surface must be non-glossy when applying AGLAIA PIGMENTED MARVELIZER. Embed reinforcing fabric (fine painter's fleece, mesh width about 1 x 1 mm) in the first layer when applying to unstable surfaces and in cross joint areas. Do not fill expansion joints. Rough surfaces must be sanded and filled beforehand, see **Surface and Pretreatment**.

Technical Features:

Ready-to-use, smooth natural resin surfacer with a sophisticated filler combination for use as part of the AGLAIA Smoothening Technique system. Virtually non-shrinking with exceptional drying qualities. Thickness of layer: up to 2 mm. Recommended from an ecological building point of view. Made exclusively from natural plant and mineral raw materials.

Water absorption and water-vapor diffusion characteristics:

W_{24}-value:	1 kg/(m^2 h$^{1/2}$)
s_d-value (H_2O):	0.15 m

Physical/Technical Characteristics:

Density:	1.8 g/cm^3
pH Value:	9
Dynam. viscosity:	45,000 mPas

Color tone:

White.

Drying:

Under normal conditions and with a layer thickness of 1 mm: safe to sand after 3 hours, safe to coat using AGLAIA PIGMENTED MARVELIZER no sooner than after 16 hours. Ensure proper ventilation while drying.

Yield:

On smooth surfaces, precoated with AGLAIA RESIN BONDING COAT: approx. 0.8 to 0.9 kg per m^2 with an average layer thickness of 0.5 mm. With an increased layer thickness: approx. 1.8 kg per mm layer thickness per m^2. Sand rough surfaces beforehand and smooth open spaces using appropriate fillers.

Available Sizes:

1 kg, 5 kg and 20 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, smoothen content, cover with very little water and use up as soon as possible.

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Composition:

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

[1]: Tap water, Marble powder; [2]: Kaolin, Dammar resin, Dehydrated castor (stand) oil, Safflower (stand) oil, Shellac soap, Chalk, Talcum, Mica;
[3] Methylcellulose, Citrus peel oil, Boric salts, Beech cellulose, Linseed oil soap, Lavender oil, Thyme oil, Co/Mn/Zr drying agents.

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%

Surface and Pretreatment:

General Requirements:

The surface must be clean, dry, solid and coatable. Extraordinary deco techniques like the AGLAIA SMOOTHENING TECHNIQUE require a solid, coatable, non-shrinking surface. Check new plasters for sinterskin and, if any, carefully sand. Thoroughly remove any grease, oil or wax contaminations with AGLAIA BALSAM LACQUER THINNER. Dry-sand water marks and seal with AGLAIA SHELLAC INSULATING PRIMER. Sand off protruding edges and smooth-sand rough surfaces. Touch up open spaces and flaws using suitable fillers. Check light-weight building boards for discoloration and proper installation. It is imperative to fiber reinforce cross joints. However, no warranty can be granted regarding a possible long term formation of cracks in joint areas. Observe the board manufacturer's instructions.

Suitable surfaces:

▶ Lime plaster (PIc), Lime based cement plaster (PII), Cement plaster (PIII):

Prime normally to strongly absorbent plaster with AGLAIA PRIMER thinned with 2 parts water. Brush and solidify crumbly, superficially sanding plaster with AGLAIA PENETRATING PRIMER. The use of AGLAIA RESIN BONDING COAT will only be required on smooth or non-uniformly absorbent plasters.

▶ Concrete, Fibrocement:

Clean concrete with soap water, removing remainders of molding oil down to the pores. Make wettability test with clear water. Use AGLAIA RESIN BONDING COAT as a base coat for smooth surfaces.

▶ Lime sandstone, Brick:

Carefully brush and fill deep joints, if any. Prime absorbent masonry with AGLAIA PRIMER thinned with 2 parts water. Use AGLAIA RESIN BONDING COAT for a uniform base coat.

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

Prime strongly absorbent surfaces with AGLAIA PRIMER thinned with 2 parts water, then precoat using AGLAIA RESIN BONDING COAT. Use fabric to reinforce cross joints.

▶ Wood based materials, Core boards, MDF boards:

Prime with AGLAIA PENETRATING PRIMER and, in case of water-soluble, bleeding substances from wood chips and resins, precoat with AGLAIA INSULATING WHITE or AGLAIA RESIN BONDING COAT. Embedding of fabric and the making of samples are recommended.

▶ Recoatable old lime and silicate based coatings:

Brush and precoat with AGLAIA RESIN BONDING COAT. Completely strip or sand off any flaking or shiny artificial resin, oil or latex coats and wash off distempers. Carefully brush recoatable coatings and treat with ammonia water (about 2 %) or an off-the-shelf alkaline solution. Then dull-sand and precoat with AGLAIA RESIN BONDING COAT.

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 filler products 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).

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