

CapaGrund Universal / CapaGrund Universal-W

Special pigmented primers, based on SolSilan-Technology.
Minimises the risk of efflorescence on new mineral renders.



Product Description

Field of Application

White pigmented, highly water vapour permeable special primer for covering priming coats before applying emulsion-, silicone resin- and silicate-emulsion paints on mineral substrates and on existing synthetic (organic) renders/plasters and external thermal insulation composite systems (ETICS/EWI systems). Also suitable as a priming coat for solvent-borne polymer resin paints.

Due to SolSilan technology CapaGrund Universal / CapaGrund Universal-W are highly water-repellent and minimise the risk of calcareous efflorescence when applying tinted finishing coats on alkaline finishing renders/plasters (mortar groups Plc, PII, PIII) and concrete.

CapaGrund Universal / CapaGrund Universal-W are suitable for applying grip and adhesion promoting priming coats and facilitate the following application and texturing of renders/plasters.

CapaGrund Universal-W is provided with a preservative against deterioration in the coating film due to fungal and algal attack.

Material Properties

- Ready-for-use.
 - Water-dilutable, ecologically compatible, low odour.
 - Promotes adhesion.
 - Forms a suitable substrate for subsequently applied silicate-emulsion paints.
 - Highly diffusion-capable, $s_d \text{ H}_2\text{O}$ 0.06 m according to DIN EN 1062.
 - Low water permeability, w-value 0.05 [$\text{kg}/(\text{m}^2 \cdot \text{h}^{0.5})$] according to DIN EN 1062.
- Tinting may cause variations.

Material Base / Vehicle

Silicone modified synthetic resin dispersion/emulsion.

Packaging/Package Size

- **CapaGrund Universal:** 5 litres and 12.5 litres. *Airfix:* 25 litres hobbock
- **CapaGrund Universal-W:** 12.5 litres (delivered with film preservative, only suitable for exterior use)

Colours

White.

CapaGrund Universal / CapaGrund Universal-W can be tinted to a max. of 25 % with CaparolColor or AmphiColor® (AVA) colourants.

CapaGrund Universal is tintable via the ColorExpress tinting & mixing machine system in light colour shades of all current colour collections up to luminosity/lightness index (LI) approx. 70.

For more intensive colours the white primer is approximately tinted to match the finishing coat in shade. The tinted product is suitable as a priming coat for the respective brilliant, intensive colour of the desired finishing coat.

For CapaGrund Universal the formulation is displayed on ColorExpress units, with reference to corresponding colours of finishing coats with the same colour name.

Storage

Keep in a cool, but frost-free place.

Technical Data

- Density: Approx. 1.4 g/cm³



TECHNICAL INFORMATION NO. 657

Supplementary Product

Caparol Trocknungsbeschleuniger / Drying Accelerator

Additive for the application of CapaGrund Universal / CapaGrund Universal-W at low temperatures: + 1 °C up to approx. + 10 °C; accelerates the rain resistance (see product label).

Suitability according to
Technical Information No. 606
Definition of Application Areas

CapaGrund Universal:

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				

Capagrund Universal-W:

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
-	-	-	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				

Application

Suitable Substrates

The substrates must be sound/stable (sufficiently cured), clean, dry and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18 363, section 3.

Substrate Preparation

Follow Technical Information No. 650 for suitability of the primer on different substrates and their special treatment.

Method of Application

CapaGrund Universal is applicable with paint brush, paint roller or airless spraying equipment. CapaGrund Universal-W is applicable with paint brush or paint roller (due to content of film preservative agents).

Airless application:

Spray angle: 50°

Nozzle size: 0.019" - 0.021"

Spray gun pressure: 150 - 180 bar

Stir up and sieve the primer thoroughly before spray application.

Thinning

Only to be diluted with tap (potable) water.

Surface Coating System

CapaGrund Universal / CapaGrund Universal-W is usually applied undiluted, but can be adjusted to working consistency to a max. of 3 % with tap (potable) water.

Consumption

Approx. 150 – 200 ml/m² on smooth surfaces. On roughly textured substrates correspondingly more. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Lower Temperature Limit for Application and Drying:

+5 °C for product, substrate and ambient air.

Drying/Drying Time

At +20 °C and 65 % relative humidity recoatable after 12 hours. Lower temperatures extend the drying time.

Tool Cleaning

Clean tools/equipment immediately after use with water.

Note

Do not apply CapaGrund Universal / CapaGrund Universal-W on horizontal surfaces exposed to rain or moisture.

CapaGrund Universal-W contains special algicidal and fungicidal active agents to counteract the forming of organic growth (algae & fungi/mildew/mould) on the coating film. The depot of agents offers a prolonged protection, but the algicidal & fungicidal effect is limited by the special facade conditions on site, e.g. intensity of organic attack/infestation and moisture. A durable protection cannot be guaranteed.

FungiGrund can be used instead of OptiGrund E.L.F. for substrate preparation, when the cleaning procedure of attacked surfaces has been finished and the surface is fully dry.

CapaGrund Universal-W is only to be used for exterior surfaces.

Compatibility:

Only CaparolColor, AmphiColor® (AVA) colourants or ColorExpress can be used for tinting, to maintain the specific properties. Do not mix with any other materials.

Advice

Please Note (Status as at Date of Publication)

CapaGrund Universal:

Keep out of reach from children. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Do not breathe spray dust. Clean utensils immediately after use with soap and water.

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

In Germany: Advice for allergy sufferers with isothiazolinone allergy: German hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

CapaGrund Universal-W:

Keep out of reach from children. If swallowed, seek medical advice immediately and show the container or label (intestinal bacteria can be affected). Do not allow product to enter drains, waterways or soil. Apply only by brush or roller. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water.

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

In Germany: Advice for allergy sufferers with isothiazolinone allergy: German hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

According to European Regulation 528/2012 this product is defined as a "treated article" (not a biocidal product) and contains the following biocidal substances: Carbendazim (CAS-No. 10605-21-7), Isoproturon (CAS-No. 34123-59-6), Terbutryn (CAS-No. 886-50-0), 2-Octyl-2H-isothiazol-3-on (CAS-No. 26530-20-1).

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Only completely empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

EU limit value for the VOC content

of this product (Cat. A/a): 30 g/l (2010). This product contains max. 25 g/l VOC.

Product Code Paints and Enamels

CapaGrund Universal: M-GP01 (Germany)
CapaGrund Universal-W: M-GP01F (Germany)

Substances of Content - Declaration

CapaGrund Universal: Acrylic resin dispersion/emulsion, titanium dioxide, silicates, water, additives, preservatives (Methylisothiazolinone, Benzisothiazolinone).

CapaGrund Universal-W: Acrylic resin dispersion/emulsion, titanium dioxide, silicates, water, additives, film protective agents (Terbutryn, Carbendazim, Isoproturon, Octylisothiazolinone), preservatives (Methylisothiazolinone, Benzisothiazolinone).

Further Details

See Material Safety Data Sheets (MSDS).

Customer Service Centre

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