

Capadecor Calcino-Decor

Purely mineral based lime surfacer (spackling compound)
for premium-quality marble smoothing technique.



Product Description

Field of Application

Purely mineral based coating for internal walls and ceilings, made of slaked lime, marble dust and water. Calcino-Decor is particularly suitable for high-grade designing of impressive interiors, like e.g. representative offices, receptions and conference room areas, hotels, banks, leisure rooms, chancelleries, private buildings, etc.

Material Properties

- Purely mineral based
- No organic additives
- Looks like stone
- Highly diffusion-capable
- High sorption
- Non-combustible, hence mineral
- Easy to apply (ductile)
- Tintable in individual colour shades

Packaging/Package Size

12 kg plastic bucket

Colours

■ **Calcino-Decor:**

Whitish grey. Colour shade and consistency of delivered product may vary marginally, due to the pure mineral contents.

■ **Calcino-Color:**

Basic Tints: 22 finished paste units for preparing basic tints, which can give 3 additional lightness steps, depending on the added amount/quantity. All basic tints have been developed according to the Caparol 3D System plus (please follow T.I. No. 903).

Storage

Cool, but frost-free. Do not store below 5 °C. Keep used buckets always tightly closed, thus avoiding agglutination and initial drying.

Application

Suitable Substrates

The substrate must be sound/stable, dry, clean, and free from all materials/substances that may prevent good adhesion.
In Germany: Follow VOB, part C, DIN 18363, paragraph 3.



Substrate Preparation

Hardened/petrified Calcino-Decor is non-elastic, just like sheets of marble, and may tend to cracking fissuration on unstable substrates. Therefore the substrates always must be stabilised.

Renderers/Plasters of Mortar Groups PI (Lime Plaster), PII (Lime-Cement Mortar) and PIII (Cement Mortar):

Coat sound/solid, normally absorbent surfaces without pre-treatment.

Apply one priming coat of OptiGrund E.L.F. or CapaSol LF on slightly sanding, absorbent substrates.

Apply one priming coat of Caparol-Tiefgrund TB or AmphiSilan-Putzfestiger on increased/highly sanding surfaces.

Gypsum and Ready-Mixed Plasters of Mortar Group PIV:

Sand sintered gypsum plasters, remove all sanding dust and prime with Caparol-Tiefgrund TB or AmphiSilan-Putzfestiger.

Gypsum Wallboards:

Apply one priming coat of OptiGrund E.L.F. or Caparol-Tiefgrund TB on absorbent boards (for sheeting see also gypsum plasterboards).

Gypsum Plasterboards (Sandwich Type Plaster Boards):

Grind off putty burrs. Solidify soft and sandpapered gypsum areas with CapaSol LF.

Apply one priming coat of Caparol-Tiefgrund TB or AmphiSilan Putzfestiger on surfaces with a higher absorbency.

Boards containing water-soluble and discolouring substances must be primed with Caparol-Filtergrund grob (coarse).

In Germany: Follow BFS Data Sheet No. 12.

Note:

Double covering (planking/sheeting) is required, when coating with Calcino-Decor. In order to avoid crack formation on joint areas and connection joints, these joints must be closed in such a way that a durable, crack-free covering is guaranteed.

Concrete:

Remove remnants of release agents and chalking or sanding materials/substances.

Sound Existing Coatings:

Matt, slightly absorbent coatings may be treated without a preliminary preparation. Roughen (sand) glossy surfaces and enamel coatings.

Unsound Existing Coatings:

Remove unsound coatings of enamel, dispersion/emulsion paint or synthetic resin-bound (organic) render/plaster. Apply one priming coat of OptiGrund E.L.F. or CapaSol LF on highly porous, sanding or absorbent surfaces.

Remove unsound coats of mineral paint by mechanical means and remove all sanding dust.

Apply one priming coat of Caparol-Tiefgrund TB or AmphiSilan-Putzfestiger.

Coats of Glue-Bound Distemper:

Completely wash off and apply one priming coat of Caparol-Tiefgrund TB or AmphiSilan Putzfestiger.

Wood-Chip, Ingrain or Embossed Wallpapers and Non-Adherent Wallpapers:

Remove wallpapers completely and wash off glue and residues of waste paper. Apply on priming coat of Caparol-Tiefgrund TB or AmphiSilan-Putzfestiger.

Surfaces Stained with Nicotine, Water, Soot or Fat/Grease:

Remove nicotine, soot or fat/grease stains by washing with tap water, adding a grease-dissolving household cleaning agent, then allow the substrate to dry well. Clean dried-up water stains by dry brushing (scrubbing brush). Apply one insulating coat of Caparol-Filtergrund grob (coarse). Follow Technical Information No. 845.

Wood and Derived Timber Products:

Apply one priming coat of Capacryl Holz-IsoGrund. Prime melamine resin coated boards (factory-made) with Capacryl-Haftprimer.

Note:

Careful and durable substrate preparation is required for Calcino-Decor application. In order to avoid crack formation on joints and connection joints, these joints must be treated in such a way that a long-lasting, crack-free covering is guaranteed.

Defects:

After having completed the necessary preparations, repair defects with Caparol-Akkordspachtel in accordance with our processing specification and prime subsequently, if necessary.

Method of Application

After having completed eventually necessary substrate preparation, always apply one priming or intermediate coat of Caparol Putzgrund 610. Smoothen uneven substrates preliminarily with Akkordspachtel medium or fine type. If cracks exist in render/plaster coatings, a reinforcement fleece should be embedded in Akkordspachtel.

Structural cracks can be subjected to extreme movements. Hence a durable and invisible crack covering/bridging by painting technique is impossible. Calcino-Decor is applicable immediately when the priming coat is thoroughly dry. Three working phases, consisting of multiple procedures, are needed to achieve the final surface finishing effect:

Special Advice:

Keep tools always clean and use them carefully. Clean the seam of containers regularly. Dried material should not be allowed to fall into the material being used. Cover the material during breaks. Calcino-Decor, -Color and -Imprägnierpaste (impregnating paste) must always be applied without dilution.

If liquid/serum forms on the surface (within the bucket) mix the material very carefully using low-speed electric paddle/agitator to achieve a homogeneous product.

Working Phase 1:

One full surface trowel application of approx. 1,000 g/m² white Calcino-Decor is necessary to guarantee complete covering of the substrate. For this the use of a medium sized scraper (240 mm x 100 mm) is suggested. Apply the lime-surfacer in delivered consistency without thinning/dilution. This coat must be allowed to dry for at least 24 hours, thus avoiding flaking in subsequent work steps. Cooler and moist weather conditions extend the drying time. Short and slight trowel strokes are favoured and not hindering for further coatings.

Sanding has to be avoided in this phase as well as in all subsequent work phases. On the one hand a certain layer thickness is required for successful application and otherwise fine dust particles could lead to low adhesion or crack formation. (Exceptions are renovations, repairs or outer edges).

Working Phase 2:

This phase includes filling of trowel marks caused by the first working phase. To avoid a premature drying of the product, apply a first thin layer, and then (after having respected a short waiting time) apply a second coat.

Application of material is done with approx. 300 g/m² of Calcino-Decor, already tinted with Calcino-Color pastes (T.I. No. 903) in the desired colour shade. For this purpose a medium sized scraper (240 mm x 100 mm) should be used.

Note:

Stir the required tinting paste(s) in the original container and then add to the lime-surfacer (spackling compound) without further thinning/dilution. This mixture should be stirred with a low-speed electric paddle (stirring staff must not be sharp-edged). Decant the mixture into another clean, empty container and stir again, in order to facilitate homogeneous dispersion of pigments. After a soaking period of approx. 3 days, the tinted material should neither be stirred nor diluted. Drying time of applied material in this phase is approx. 2 – 3 hours.

Working Phase 3:

In the last working phase a material application of approx. 100 g/m² is essential for improving the surface. The product is also applied in two thin layers with a medium sized scraper (240 mm x 100 mm). After a gap of approx. 5 minutes compress and smoothen with a small scraper (200 mm x 80 mm) or narrow scraper (200 mm x 50 mm).

Both these scrapers are only to be used for this operation and should be undamaged. This work step has to be done very carefully/thoroughly and without much pressure.

Impregnation:

Allow the surface to harden for 3 to 6 days for a proper carbonisation of lime (do not apply an impregnation). Discolouration may occur with premature treatment. Apply an even, thin layer of impregnation paste Calcino-Imprägnierpaste (T.I. No. 905) with a non-scouring Venetian trowel or (recommended) with a soft, non-fuzzing cloth/tissue. Do not apply more than 30 to 40 g/m². Allow to flash off for a short time and remove excess material with a soft cloth. Allow to dry, then wipe again. The application of excess material may cause a slight whitish fogging effect (surplus of pumice dust) which cannot be objected. Wipe off again to reduce this effect.

Consumption

For 3 Working Phases:

Approx. 1,500 g/m², depending on the substrate and application procedure.

Application Conditions

Lower Temperature Limit for Application/Drying: + 10 °C for material, ambient air and substrate.

Tools

Trowel set (Venetian smoothing trowels/scrapers) with blunt edges. For each operation (first surface treatment and then application of tinted material with subsequent compression) another trowel/scraper must be used.

Trowels/scrapers for compression are only suitable when they have not been preliminary used for material application. Damaged tools lead to noticeable striae formation on the surface. Sand new tools with 400–600 grain sandpaper to make them usable.

Tool Cleaning

Clean tools immediately after use with tap water. Only clean tools should be used for application.

Advice

Cleaning and Maintenance

Calcino-Imprägnierpaste (impregnating paste) does not protect against direct spray/splashing water loads (limescale formation) or soiling caused by substances with contents of fat/grease, acids, tar, caffeine, theine or discolouring substances that leaves marks.
Slight surface soiling is removable with warm water, adding a neutral household cleaner, if necessary.
Note: Do not use descalers (water demineralizers / household cleaners with content of antiliming agent).

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Irritating to skin. Risk of serious damage to eyes.
Keep out of the reach of children.
Avoid contact with eyes and skin. In case of contact with eyes rinse immediately with plenty of (clean) water and seek medical advice. After contact with skin wash immediately with plenty of water and soap.
Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show packaging or label.

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 emptied buckets/containers should be given for recycling. Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

Substances of Content - Declaration

Calcium hydroxide, calcium carbonate, water

Further Details

See Safety Data Sheet (MSDS).

Technical Assistance

As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.

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Technical Information No. 880 · Issue: April 2011

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 880 · Capadecor
Calcino-Dekor · Issued: July 2010

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