

Capatect Mineralputz

Mineral factory-made dry mortar according to DIN EN 998-1
in rub and scratch render structure, finishing render for exterior and interior use



Product Description

Field of Application	Mineral, texturable finishing render according to DIN EN 998-1 in the Capatect facade systems, as well as for concrete, load-bearing mineral old renders, base coats of mortar groups PII + III according to DIN 18550-1 / DIN EN 998-1 and similar in interior and exterior areas.	
Material Properties	<ul style="list-style-type: none"> ■ Highly water vapour permeable ■ Water repellent ■ Low tension ■ Graduated light- and weather-resistant pigment-filler-granulate combination and high-quality mineral lightweight aggregates according to DIN 4226 ■ Additives for hydrophibisation and good adhesion 	
Packaging/Package Size	25 kg bag, 1.0 t BigBag, 4.0 t BigBag silo, silo starting at 5.0 t (Please note the availability according to the current delivery programme).	
Colours	Natural white Factory colouring from 25 kg (grain sizes K50, R20, R30 starting from 200 kg)	
Storage	Cool, dry and frost-free Protect from direct sunlight. Empty silos completely before extended downtimes (winter break). Shelf life of the original, tightly closed packaging: approx. 12 months.	
Technical Data	<ul style="list-style-type: none"> ■ Resistance-count for diffusion μ (H₂O): ■ Diffusion-equivalent air layer thickness s_dH₂O: ■ Compressive strength: ■ Apparent density of hardened mortar: ■ Fire behaviour: ■ Consistency: ■ Capillary water absorption: ■ Water permeability (w-value): 	<p>$\mu \leq 20$ according to DIN EN 998-1</p> <p>$s_d \leq 0.1$ m according to DIN ISO 7783 Class V1 (high) according to DIN EN 106 Categorie CS II according to DIN EN 998-1 approx. 1.6 kg/dm³ according to DIN EN 1015-10</p> <p>A2-s1, d0 according to DIN EN 13501-1 (non-combustible)</p> <p>Powder form</p> <p>$c \leq 0.20$ kg/(m²-min^{0.5}) Class W_c2 according to DIN EN 998-1 $w < 0.2$ kg/(m²-h^{0.5}) according to DIN EN 1062-3, Class W₂ according to DIN EN 1062-1</p>



Product No.

Product	Texture	Grain Size [mm]	Approx. Consumption [kg/m ²]
Capatect-Mineralputz K20	scratch texture	2.0	2.9
Capatect-Mineralputz K30	scratch texture	3.0	3.4
Capatect-Mineralputz K50	scratch texture	5.0	4.8
Capatect-Mineralputz R20	rub texture	2.0	2.5
Capatect-Mineralputz R30	rub texture	3.0	3.4

The consumption data are approximate values without bulk and shrinkage loss. Object-dependent or processing-related differences must be taken into account.

Application

Substrate Preparation

To avoid exposure to rain during the drying phase, cover the framework with tarpaulins if necessary. Carefully cover the area around the surface to be coated, especially glass, ceramics, paintwork, clinker, natural stone, metal, as well as natural or glazed wood. Immediately wash off any splashes of render with plenty of water.

The substrate must be plane, clean, dry, solid, load-bearing and free from separating substances. Clean surfaces affected by mould, moss or algae using pressurised water jets, observing the legal regulations. Wash with "Capatox" and allow the surfaces to dry thoroughly. Clean surfaces soiled by industrial fumes or soot using pressure water jets with the addition of suitable cleaning products and in compliance with the legal regulations.
In Germany observe VOB, Part C, DIN 18 363, Para. 3.

All substrates, especially basecoats, must be evenly dry to avoid colour deviations in the finishing render.

Method of Application

Apply the wet mortar over the entire surface with a stainless steel trowel or with a fine render spraying machine and rub down to grain size. Immediately afterwards, rub down evenly round with a PU or wooden board or with a plastic rubbing board, texture the rubbing renders horizontally, vertically or round as desired.

The choice of tool influences the roughness profile of the surface, therefore always work with the same structure discs. To achieve a consistent texture, connected surfaces should always be finished by the same craftsman to avoid texture differences due to different "handwritings". To avoid lapping, a sufficient number of workers should be used on each scaffold layer. Work through wet in wet quickly.

Due to the use of natural fillers and granulates, slight colour variations are possible. Therefore, only use material with the same batch number on continuous surfaces or mix material with different batch numbers beforehand.

Capatect Mineral Render are not suitable for horizontal surfaces exposed to water.

Surface Coating System

Primer or intermediate coats must be dry before further recoating.

Capatect façade systems:

New mineral base coats:

No priming required in case of normal swift working procedure.

In case of longer standing time (e.g. wintering), weathered basecoats require in principle a priming coat with "PutzGrund 610".

For "Capatect Klebe- und Armierungsmasse 133 LEICHT" and "Capatect Klebe- und Armierungsmasse 186M", prime with "Sylitol® RapidGrund 111" diluted if necessary (depending on weather and absorption behaviour).

Application Conditions

During the application and drying phase, the ambient and substrate temperatures must not be below +5 °C and above +30 °C.

Do not apply in direct sunlight, strong wind, fog or high humidity. Protect fresh render from rain and from drying out too quickly.

In this context, we refer to the information sheet " Verputzen bei hohen und tiefen Temperaturen" from the "Deutscher Stuckgewerbebund".

Drying/Drying Time

approx. 2 - 5 days, coatable after sufficient standing time, usually after 2 weeks, at approx. 20 °C and 65 % rel. humidity.

The render dries by hydration and physically, i.e. by evaporation of the water and depending on the application quantity. In unfavourable weather conditions, e.g. influenced by wind or rain, considerably longer standing times must be followed. An additional priming coat of "CapaGrund Universal" reduces the risk of lime efflorescence, so that the finishing coat can be coated after a standing time of only 7 days.

Tool Cleaning

Immediately after use with water.

Material Preparation

Capatect Mineral Renders can be processed with all common flow mixers, spiral pumps and render machines, but can also be mixed manually with a powerful, slow-running agitator using clean, cold water to form a lump-free compound. Allow to mature for approx. 2 minutes and stir again briefly. If necessary, adjust the consistency with a little bit of water after this maturing time.

Scratch render texture:

2.0 mm 25 kg material (one bag) in approx. 6.0 l water.

3.0 mm 25 kg material (one bag) in approx. 6.5 l water

5.0 mm 25 kg material (one bag) in approx. 5.7 l water

Rub render structure:

2.0 mm 25 kg material (one bag) in approx. 6.0 l water

3.0 mm 25 kg material (one bag) in approx. 5.8 l water

Depending on the weather, the working time is approx. 2 hours (pot life), with machine pumping a maximum of 60 minutes. Do not use water to make material that has already stiffened workable again.

Coating

Due to their special properties, colour deviations and staining cannot always be avoided with coloured mineral renders. This does not represent a technical-functional defect and cannot be claimed. To avoid colour irregularities, coloured render surfaces must be additionally coated with Sytilol® Finish 130 or ThermoSan NQG as a levelling coat in the render colour shade. Coating If further preventive protection against algae and fungi is desired, two coats of suitable facade paint must be applied. If further preventive protection against algae and fungi is desired, two coats of suitable facade paint, e.g. ThermoSan NQG, must be applied. If more intensive colour shades with a brightness value < 20 are desired for design reasons, these must be produced by painting over with e.g. Sytilol® Finish 130 or ThermoSan NQG. If more intensive colour shades with a brightness value < 20 are desired for design reasons, please contact the technical advisory service.

Example for Machine Equipment

For machine processing, please request special information on processing with machine technology.

Advice

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

Causes skin irritation. Causes serious eye damage. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not breathe dusts or mists. Wash skin thoroughly after handling. Wear protective gloves/ eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Contains: Cement, portland, chemicals, calcium dihydroxide. Aqueous cement suspensions have an alkaline effect.

Additional advice: Wear long trousers. Avoid prolonged skin contact with the render. Immediately clean affected skin thoroughly with water. The longer fresh render remains on your skin, the greater the risk of serious skin damage. It is essential to follow the manufacturer's health and safety instructions during the application phase.

Please Note (Status as at Date of Publication)

Volatile organic compounds : Directive 2004/42/EC < 0.1 %; < 1 g/l

Disposal

Only empty bags (without trickling) for recycling. Dispose of hardened material residues as mixed construction and demolition waste.

Giscode

ZP1

Other Notes

Assessments and approvals:

German national approvals

Z-33.41-130

Z-33.42-131

Z-33.43-132

Z-33.44-133

Z-33.47-859

Z-33.49-1071

European technical assessments and approvals

ETA-08/0304

ETA-10/0436

ETA-10/0160

ETA-12/0383

ETA-12/0575

Advices for product declaration: The declaration with the CE label as per EN 998-1 (powder products) is placed on the package units as well as on the data sheet for CE marking. This can be accessed on the Internet at www.caparol.de.

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