

# Capatect Mineral-Leichtputze

Mineral based dry mortar premix as per EN 998-1;  
can be used as render and/ or plaster for rub and/or scratched structures as finishing coats



## Product Description

Field of Application	Mineral lightweight render according to DIN EN 998-1 in the Capatect facade systems, as well as on all load-bearing mineral wall and ceiling surfaces indoors and outdoors e.g. the Capatect interior insulation systems or the render systems for monolithic construction. Do not use on surfaces subject to extremely high mechanical loads.
Material Properties	<ul style="list-style-type: none"> <li>■ Smooth and easy processing due to lightweight supplements</li> <li>■ Highly permeable to water vapour</li> <li>■ Free of fungicides and algacides</li> <li>■ Very economical due to very favourable consumption, as well as fast application</li> <li>■ Low in tension</li> <li>■ Water-repellent</li> </ul>
Packaging/Package Size	25 kg bag, 0.8-1.0 t BigBag, silo for more than 5.0 t (Please note the differences in grain sizes according to the current delivery programme).
Colours	Natural white and as factory colouring
Storage	Cool, dry and frost-free. Protect from direct sunlight. In the case of silo goods containers and silos, empty completely before longer standstill periods (winter break). Original closed containers have a shelf life of approx. 12 months.
Technical Data	<ul style="list-style-type: none"> <li>■ Resistance-count for diffusion <math>\mu</math> (H<sub>2</sub>O): <math>\mu \leq 20</math> according to DIN EN 998-1</li> <li>■ Diffusion-equivalent air layer thickness <math>s_{d,H_2O}</math>: <math>s_d \leq 0,1</math> m according to DIN EN ISO 7783</li> <li>■ Apparent density of hardened mortar: approx. 1,1 - 1,3 kg/dm<sup>3</sup> according to DIN EN 1015-10</li> <li>■ Fire behaviour: A2-s1, d0 according to DIN EN 13501-1</li> <li>■ Consistency: Powder form</li> <li>■ Vehicle / Binding agent: Mineral binders according to DIN EN 197-1 and DIN EN 459-1 with silicate additives</li> <li>■ Capillary water absorption: <math>c \leq 0,20</math> kg/(m<sup>2</sup>·min<sup>0,5</sup>) Class: W<sub>c</sub>2 according to DIN EN 998-1</li> <li>■ Water permeability (w-value): <math>w &lt; 0,2</math> kg/(m<sup>2</sup>·h<sup>0,5</sup>) according to DIN EN 1062-3 Class: W<sub>2</sub> according to DIN EN 1062-1</li> </ul>



Product No.

Product	Texture	Grain Size (mm)	approx. Consumption (kg/m <sup>2</sup> )
R30	rub	3,0	2,5
R50	rub	5,0	3,6
K10	scratch	1,0	1,0
K15	scratch	1,5	1,5
K20	scratch	2,0	2,3
K30	scratch	3,0	2,8
K40	scratch	4,0	3,4
K50	scratch	5,0	4,5

The consumption data are approximate values without bulk and shrinkage loss. Object-dependent or processing-related deviations 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 even, 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 Capatop 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 agents and in compliance with the legal regulations. 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 plaster.

Method of Application

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

The choice of tool influences the roughness profile of the surface, therefore always work with identical structure discs. To achieve a uniform texture, contiguous surfaces should always be finished by the same craftsman to avoid texture deviations due to different "handwritings". To avoid build-up, use a sufficient number of workers 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 product number on continuous surfaces or mix material with different product numbers beforehand.

Capatect Mineral-Leichtputze is not suitable for horizontal surfaces exposed to water.

Surface Coating System

Primer or intermediate coats must be dry before further recoating.

### Capatect Facade Systems:

*New mineral base coats (reinforcing compounds):*

No priming required in case of normal rapid working.

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

"Capatect Klebe- und Armierungsmasse 133 Leicht" and "Capatect Klebe- und Armierungsmasse 186M" must be primed with "Sylitol® RapidGrund 111" diluted, if necessary (depending on weather and absorption behaviour).

### Capatect interior insulation systems:

If new mineral reinforcement is used and work is carried out quickly, priming is not usually necessary.

### Basecoats of mortar groups PII and PIII, as well as old mineral renders and concrete:

*New base coats, unless otherwise specified:*

Leave untreated for 2 - 4 weeks, prime with "PutzGrund 610".

*Concrete, surface firm and load-bearing:*

Prime with "PutzGrund 610"

*Render and concrete, surface coarsely porous, slightly sandy, absorbent:*

Prime coat with "OptiSilan Tiefgrund", intermediate coat with "PutzGrund 610".

# TECHNICAL INFORMATION NO. 135

	<p><i>Render and concrete, highly absorbent, chalky surface:</i> Prime with "Dupa-Putzfestiger", intermediate coat with "PutzGrund 610".</p>
Application Conditions	<p>During the application and drying phase, the ambient and substrate temperatures must not be below +5 °C and above +30 °C.</p> <p>Do not apply in direct sunlight, strong wind, fog or high humidity. Protect fresh plaster from rain and rapid drying.</p> <p>In this context, we refer to the leaflet "Verputzen, Wärmedämmen, Spachteln, Beschichten bei hohen und tiefen Temperaturen" from the "Bundesverband Ausbau und Fassade".</p>
Drying/Drying Time	<p>approx. 2 - 5 days, coatable after sufficient standing time, usually after 2 weeks at approx. 20 °C and 65 % rel. humidity.</p> <p>The plaster/ render dries by hydration and physically, i.e. by evaporation of the mixing water and depends on the application quantity. In unfavourable weather conditions, e.g. influenced by wind or rain, significantly longer standing times must be observed. An additional priming coat of "CapaGrund Universal" reduces the risk of lime efflorescence, so that the finishing render can be coated after a standing time of only 7 days.</p>
Tool Cleaning	<p>Immediately after use with water.</p>
Material Preparation	<p>"Capatect Mineral-Leichtputz" can be applied with all common continuous mixers, screw feed pumps and plastering machines, but can also be mixed manually with a powerful, slow-running agitator using clean, cold water to a lump-free mass, allowed to mature and stirred again briefly. If necessary, adjust the consistency with a little water after this maturing time.</p> <p><b>Scratch texture:</b> 1.0 mm 25 kg material (one bag) in approx. 6.5 l water. 1.5 mm 25 kg material (one bag) in approx. 6.5 l water 2.0 mm 25 kg material (one bag) in approx. 7.0 l water 3.0 mm 25 kg material (one bag) in approx. 7.5 l water 4.0 mm 25 kg material (one bag) in approx. 7.0 l water 5.0 mm 25 kg material (one bag) in approx. 7.0 l water</p> <p><b>Rub texture:</b> 3.0 mm 25 kg material (one bag) in approx. 7.0 l water 5.0 mm 25 kg material (one bag) in approx. 6.5 l water</p> <p>Depending on the weather, the working time is approx. 1 to 1.5 hours (pot life), with machine delivery the max. standing time in the hose is 30 minutes. Do not use water to make material that has already stiffened workable again.</p>
Example for Machine Equipment	<p>For machine processing, please request special information on processing with machine technology.</p>

## Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	<p>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.</p> <p>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.</p>
Disposal	<p>Only empty bags (without trickling) for recycling. Can be landfilled after concentration, when in compliance with local regulations.</p>
Giscode	<p>ZP1</p>
Customer Service Centre	<p>Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a></p>

### Technical Information No. 135 · Issue: May 2023

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.135 · Capatect Mineral-Leichtputze · Issued: March 2023