

Capatect-Edelkratzputz

scratch render for structuring with marble grain in the variants with and without "Glimmer".



Product Description

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|------------------------|--|
| Field of Application | Thick-layer mineral finishing coat for use as final coat in the Capatect façade systems as well as for mineral wall surfaces on base coats of mortar groups PII + III according to DIN 18550-1 and similar. |
| Material Properties | <ul style="list-style-type: none"> ■ Finishing coat according to DIN EN 998-1 ■ Highly permeable to water vapour ■ Low tension and mechanically highly stressable ■ Without biocides as coating protection ■ Natural protection against algae and fungal attack due to optimum moisture balance ■ Very white appearance ■ Easy to apply by machine ■ Additives for hydrophobicity and good adhesion |
| Packaging/Package Size | 25 kg bag Silo starting at 5.0 t (only with K40) |
| Colours | Natural white with "Glimmer" additive or without "Glimmer" additive. Factory colouring is possible. |
| Gloss Level | Mineral matt |
| Storage | Keep in a cool, dry and frost-free place. Protect from direct sunlight. 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): ≤ 20 according to DIN EN 998-1 ■ Compressive strength: Class CS I according to DIN EN 998-1 ■ Apparent density of hardened mortar: approx. 1.5 g/cm³ according to DIN EN 1015-10 ■ Fire behaviour: Class A2-s1, d0 according to DIN EN 13501-1 (non-combustible) ■ Coefficient of water absorption: $w \leq 0.20$ kg/(m²h^{1/2}) according to DIN EN 1015-18 Class W_c 2 according to DIN EN 998-1 ■ Consistency: In powder form ■ Structure / Texture: scratch render - grain size approx. 1.5 / 3 / 4 mm ■ Vehicle / Binding agent: Hydraulically hardening lime, mineral binders according to DIN EN 197-1 and DIN EN 459-1, as well as graded pigment-filler-granulate combination resistant to light according to DIN 53237 and mineral aggregates. |
| Product No. | 148 |



Note Subsequent touching up of these areas has a negative effect on the render appearance. With dark colours, mechanical stress on the surface can lead to light stripes (writing effect). This is a product-specific property and has no influence on the quality and functionality of the product.

Application

Substrate Preparation

The substrate must be even, clean, dry, solid, load-bearing and free from separating substances. The substrates must be evenly dried to avoid colour deviations in the finishing coat caused by this.

New base coats on uninsulated masonry ("Capatect GUP FaserFix 210", "Capatect GUP FL 201") must be sufficiently dry and absorbent. The surface of the base coat must be roughened. For this purpose, roughen and comb the still fresh base coat horizontally with a toothed trowel 5 x 5 mm or similar. Alternatively, a plastic broom can be used to roughen the plaster sufficiently.

When applying within Capatect external thermal insulation composite systems, comb through the base coat (e.g. "Capatect Klebe- und Armierungsmasse 133 LEICHT", "Capatect Klebe- und Armierungsmasse 170" or "Capatect X-TRA 300") horizontally with a toothed trowel approx. 5 x 5 mm. Observe minimum layer thicknesses.

Depending on temperature and absorbency, prime the substrate with "Sylitol® RapidGrund 111" if necessary.

Method of Application

Manual application is possible for small areas. Otherwise, use suitable machine technology (see also application instructions). Request advice.

Ensure even application of the material. Always work wet-on-wet to avoid scaffold layer build-up. Ensure a constant quantity of mixing water and equal mixing times.

When selecting the render beads, the final render thickness must be taken into account. Embed the render beads in the base coat. Suitable render beads can be found in the delivery range.

"Capatect Edelkratzputz" is to be applied approx. grain-thick over the render beads according to the render thickness specified by the render beads.

Level the fresh render with a notched trowel and smooth it down to remove trapped air bubbles.

After sufficient standing time, scrape the entire surface evenly with the toothed scraper in a circular motion without interruption. The grain must bounce and not get caught on the toothed scraper. Sweep off loose particles with a broom from top to bottom. The scratching process loosens components of the render. Therefore, a slight trickling cannot be ruled out despite sweeping the surfaces. This behaviour is typical for scratch render and is not a product defect.

After scraping, the finishing coat thickness is approx. 6-12 mm depending on the grain size.

To achieve an even surface, connected surfaces should always be finished by the same craftsman in order to avoid structural deviations due to different "handwritings". 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.

Consumption

| Product | Structure | Grain size (mm) | Approx. consumption (kg/m ²) | Application thickness (mm) | Final thickness (mm) |
|--|-----------|-----------------|--|----------------------------|----------------------|
| "Capatect Edelkratzputz" with and without "Glimmer" effect (mica) | K15 | 1.5 | 15-17 | ca. 10 | 6-9 |
| | K30 | 3.0 | 17-19 | ca. 12 | 9-12 |
| | K40 | 4.0 | 22-24 | ca. 14 | 10-12 |

Consumption example: approx. 22 kg dry render/m² with approx. 14 mm application thickness and approx. 10 mm final thickness = approx. 1.2 m² per 25 kg bag.

These consumption figures are approximate values without bulk and shrinkage loss. Object-dependent or processing-related deviations must be taken into account.

Application Conditions

During application and in the drying phase, the ambient and substrate temperatures must not be below +5 °C or above +30 °C. Do not apply in direct sunlight, strong wind, fog or high humidity. In this context, we refer to the leaflet "Verputzen, Wärmedämmen, Spachteln, Beschichten bei hohen und tiefen Temperaturen" (Rendering, Thermal Insulation, Filling, Coating at High and Low Temperatures) from the "Bundesverband Ausbau und Fassade" (Federal Association for Finishing and Facades).

Drying/Drying Time

At 20 °C and 65 % rel. humidity, the render is surface-dry after 24 hours. Fully dry and load-bearing after approx. 7 days.

The render dries by hydration and physically, i.e. by evaporation of the mixing water. Particularly in the cool season and with high humidity, drying is therefore delayed. If necessary, cover the scaffold with tarpaulins to protect it from rain during the drying phase.

Tool Cleaning

Immediately after use with water.

TECHNICAL INFORMATION NO. 148

Material Preparation

"Capatect Edelkratzputz" can be processed with all common types of flow mixers, spiral pumps and rendering machines, but can also be mixed manually with a powerful, slow-running agitator using clean, cold water to form a lump-free compound. The mixing time is 3-4 minutes in a compulsory mixer or with a hand mixer. Ensure that the mixing time and water addition are the same, as the consistent consistency of the wet mortar is a prerequisite for the later perfect and even render surface.

Water requirement approx. 5.5-6 l per 25 kg bag.

Rendering machines equipped for scratch rendering are suitable for machine application.

Example for Machine Equipment

Rendering machine PFT G4, rotor/stator D8-1.5 Post-mixer required

Important facts:

Pre-rinse delivery hoses with lime slurry or paste before regular operation. Please be sure to observe the machine manufacturer's guidelines!

Electrical connection:

400 V three-phase current / 32 A each (site power distributor with FI circuit breaker)

Water connection:

3/4" hose with GEKA, required water pressure with machine running at least 2.5 bar.

Water flow rate:

approx. 420 l/h. The desired consistency must be set on the fine adjustment valve of the mixer water fitting.

Feed hose:

Inside-Ø 35 mm, 13.3 m each.

Delivery distance:

Maximum delivery distance approx. 30 m (to be optimised depending on the object and temperature).

Spraying equipment:

Fine render nozzle, diameter: 16 mm

Note:

The practical water requirement may vary, especially with coloured renders. Use the same amount of water for each bag, otherwise differences in structure or colour shade may occur.

The choice of the suitable rendering machine, hose length and diameter is to be made object-related. Ensure a sufficiently long mixing time. Ensure that the mixing time and water addition are the same, as the consistency of the wet mortar is a prerequisite for a later perfect and even render surface.

When choosing the machine technology, our silo and machine technology is available.

Advice

To avoid exposure to rain or sunlight during the drying phase, cover the scaffold with tarpaulins if necessary. Rendered surfaces that dry too quickly appear lighter. "Capatect Edelkratzputz" is not suitable for horizontal surfaces exposed to water. Observe DIN EN 13914-1, DIN 18550-1 as well as DIN 18350, VOB, Part C during application and execution.

When applying the render, ensure that the render thickness is uniform, as exceeding or falling below this thickness may lead to defects in the finished render.

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: calcium dihydroxide, Cement, portland, chemicals. Aqueous cement suspensions have an alkaline effect.

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

Disposal

Can be deposited after solidification in compliance with local official regulations. Only empty bags (without trickling) for recycling. Dispose of hardened material residues as mixed construction and demolition waste. EAK 170904

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