

# Capatect Fugenmörtel Keramik 082

Mineral grout mortar for trowel grouting of ceramic claddings in Capatect design façade systems



## Product Description

Field of Application	For trowel grouting of hard coverings, e.g. clinker brick slips, fine stoneware, natural stone in the Capatect façade systems.
Material Properties	<ul style="list-style-type: none"> <li>■ Particularly suitable for use in ETICS</li> <li>■ Low shrinkage deformation</li> <li>■ Frost-resistant</li> <li>■ Weather resistant</li> <li>■ Water repellent, highly hydrophobic</li> <li>■ Open to diffusion</li> </ul>
Packaging/Package Size	Bag 25 kg
Colours	White, Architect, Light grey, Medium grey, Black, Stuhr-hell, Strand, Alt-Stuhr, Paris, Red. Special shades and other grain sizes on request.
Storage	Dry, protected from moisture, in original sealed packaging. Use material within 12 months.
Technical Data	<ul style="list-style-type: none"> <li>■ Material: standard masonry mortar (G) according to DIN EN 998-2</li> <li>■ Chloride content: <math>Cl \leq 0.1</math> mass % according to DIN EN 1015-17</li> <li>■ Adhesive shear strength: <math>\beta_{HS} \geq 0.15</math> N/mm<sup>2</sup> according to DIN EN 771</li> <li>■ Water vapour permeability: <math>\mu = 15/35</math> nach DIN EN 1745</li> <li>■ Water absorption: <math>C &lt; 0.20</math> kg/(m<sup>2</sup>min<sup>0.5</sup>) according to DIN EN 1015-18</li> </ul> <ul style="list-style-type: none"> <li>■ Density: <math>\rho \approx 2.0</math> g/cm<sup>3</sup></li> <li>■ Heat conductivity: <math>\lambda_{10 \text{ dry, mat}} \leq 1.11</math> W/(m·K) for P=50 % according to DIN EN 1745 <math>\lambda_{10 \text{ dry, mat}} \leq 1.21</math> W/(m·K) for P=90% according to DIN EN 1745</li> <li>■ Maximum grit size: Fine grain up to approx. 1.5 mm Coarse grain up to approx. 5 mm (Alt-Stuhr)</li> <li>■ Compressive strength: Class M10 according to DIN EN 998-2 <math>R_c \geq 10</math> N/mm<sup>2</sup> according to DIN EN 1015-11</li> <li>■ Fire behaviour: Class A1 according to DIN EN 13501-1 (non-combustible)</li> <li>■ Vehicle / Binding agent: Mineral based binder as per DIN EN 197-1 with special additives</li> </ul>
Product No.	082
Note	Specified fixed values represent average values that may vary slightly from delivery to delivery due to the use of natural raw materials.



The "allgemeine bauaufsichtliche Zulassung" (general building authority approval) / "allgemeine Bauartgenehmigung" (general building type approval) of the underlying ETIC systems and the technical information of the products must be observed.

## Application

**Substrate Preparation**

Mask window sills and attachments.  
Carefully cover glass, ceramics, clinker, natural stone, painted, glazed and anodised surfaces, as well as surfaces to be protected.

Ensure an even joint width of 6-20 mm or as per approval.  
After placing the ceramic cladding and before the laying mortar hardens, smooth or scrape the joints to an even depth, approximately the thickness of the covering.  
The laying mortar must be set and completely dry at the time of grouting. The substrate must be even, have a closed surface and be free of any residue that could reduce adhesion. Remove loose mortar residue. Ensure that the substrate and the joint edges have an even absorbency.  
In the case of highly absorbent claddings, evenly pre-wet the joint mesh to prevent the material from drying out too quickly. Remove standing water before grouting.

**Preparation of Material**

■ 25 kg material (one bag) in approx. 2.5-3.0 l water

The material can be mixed with a powerful, slow-running agitator or compulsory mixer and clean, cold water to form a lump-free paste.

Work again after approx. 3-5 minutes. If necessary, the consistency can be adjusted with a little water after this resting time.

Depending on the weather, the processing time is approx. 1 hour (pot life).

Never use water to make material that has already started to set workable again.

The consistency of the mixed grout mortar is correctly adjusted when the mortar compressed in the hand does not disintegrate after being rolled back and forth several times in the open palm of the hand, but is also not particularly sticky.

To ensure an even colour, the specified and constant amount of mixing water and the maturing time must be observed.

Do not add any more water during processing. This will lead to colour differences.

Only mix as much grout as can be processed within the pot life.

**Method of Application**

**Grouting:**

Apply mortar to the joint and compact it flush with the surface using a grout trowel appropriate for the joint width. Ensure that the joint is completely filled and evenly distributed. Fill low-lying joints in two layers. First grout the horizontal joints and then the vertical joints. In the case of coverings with a porous surface, grout residue can adhere to the surface of the covering. Carefully sweep this away from the covering. Protect the grout against frost, draughts, precipitation, direct sunlight and high temperatures during the first few days.

**Curing:**

Depending on the weather conditions, moisten the completed grouting regularly with a suitable device, e.g. Gloria sprayer, ('fogging') to prevent the grout from burning on.

**Cleaning:**

Contaminants, haze, residues on the grouted hard surface can be removed with a suitable cleaner. Use only alkali-free and acid-free, non-scratch cleaning agents. Use sufficient fresh water for cleaning. When selecting cleaning agents, take into account that the joint mortar is not acid-resistant. Carry out cleaning tests in inconspicuous places and evaluate them before cleaning large areas. The wrong cleaning agents can cause colour changes and damage the joint. Improper cleaning will void the warranty.

**Consumption**

Dimensions of brick slips [ mm ]	Consumption [approx. kg/m <sup>2</sup> ] at joint depth of		
	8 mm	10 mm	15 mm
240 x 71 (NF)	3.0 - 4.0	3.5 - 4.5	5.5 - 6.5
240 x 52 (DF)	3.2 - 4.2	4.0 - 5.0	6.0 - 7.0
600 x 300	0.8 - 1.8	1.0 - 2.0	1.5 - 2.5

These figures are intended as a guide only. Consumption depends on the format, joint width, joint depth and layout.

Determine the exact material requirements on the object.

**Application Conditions**

During the application and in the 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. Please 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 Façades).

# TECHNICAL INFORMATION NO. 082

Drying/Drying Time	In unfavourable weather conditions, take suitable measures to protect the facade surfaces being treated. The drying time depends, among other things, on the weather conditions and the layer thickness. Lower temperatures and/or higher humidity will extend the drying time.
Tool Cleaning	When fresh, with water, observing the legal requirements. When dry, with tile and brick cleaner or mechanically.
Application	Before processing, the material must be checked for colour accuracy and consistency. Complaints about deviations from the delivery target cannot be accepted after processing. Reference is made to the "Leitfaden zu Prüfpflichten bei Anlieferung von Tönware im Rahmen der Untersuchungs- und Rügepflicht (§ 377 HGB)" of the VDPM (Guidelines for inspection obligations when delivering tinted goods within the scope of the obligation to inspect and give notice of defects (§ 377 HGB). On continuous surfaces, only use material with the same batch number or mix material from different batches beforehand. When tinting, deviations in the technical characteristics are possible.  It is recommended to create a test area. Natural colour shifts and shade differences are possible with different batches and drying conditions. High substrate moisture or strongly varying absorbency of substrate and tile edges can cause colour differences. Non-uniform material, fluctuating amounts of mixing water and failure to observe the maturing time can lead to an uneven colour, especially with highly pigmented or dark joint colours. With a slightly porous, matt or irregular surface or joint edges of the cladding, residues of the joint mortar may form after cleaning with a sponge float. Use elastic joint sealants to seal connecting joints between materials with different thermal expansion coefficients.

## Advice

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

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Avoid breathing dust. Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
**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.  
**Store** in a well-ventilated place. Keep container tightly closed.  
**Contains:** Cement, portland, chemicals. For commercial/industrial applications. Aqueous cement suspensions have an alkaline effect.  
Wear long trousers! Avoid prolonged skin contact with the plaster. Thoroughly clean any affected areas of the skin immediately using water. The longer fresh plaster remains on the skin, the greater the danger of serious skin damage. Keep children away from fresh plaster! The safety instructions issued by the manufacturer must be strictly followed during the application phase.  
For further technical information and advice for allergy sufferers, call +49 (0) 800/189 5000.  
**GISCODE: ZP1.**  
**VOC content** in accordance with Directive 2004/42/EC: This product contains **max. 1 g/l.**  
**Declaration of ingredients according to VdL directive 01 (Germany):** Cement, calcium carbonate, silicates, inorganic colored pigments, titanium dioxide, additives.

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## Technical Information No. 082 · Issue: November 2024

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.082 · Capatect Fugenmörtel Keramik 082 · Issued: September 2024