

Capatect GUP SLP 201

Mineral lightweight render for basement masonry and plinth area made of highly heat-insulating masonry



Product Description

Field of Application	<p>Mineral lightweight render of category CS III according to DIN EN 998-1 and render mortar group P II according to DIN 18550-1 as basement masonry and exterior wall plaster, especially for highly insulating masonry and concrete.</p> <p>For exterior use on plinth and basement wall surfaces.</p> <p>Indoors, suitable for rooms with normal and increased stress, e.g. in damp rooms.</p>									
Material Properties	<ul style="list-style-type: none"> ■ Feltable, fine surface ■ Water-repellent according to DIN 18550-1 ■ Low stress ■ Mineral light aggregates ■ Mechanically resilient ■ Easy application by machine or hand 									
Packaging/Package Size	30 kg bag									
Colours	Grey									
Storage	Cool, dry, protect from moisture and direct sunlight. Shelf life in original sealed container at least 9 months.									
Technical Data	<ul style="list-style-type: none"> ■ Mortar category: Class CS III according to DIN EN 998-1 and P II according to DIN 18550-1 ■ Heat conductivity: <table border="0" style="margin-left: 20px;"> <tr> <td>$\lambda_{10 \text{ dry}} \leq 0.39 \text{ W/(mK)}$ for P=50% according to DIN EN 1745</td> </tr> <tr> <td>$\lambda_{10 \text{ dry}} \leq 0.43 \text{ W/(mK)}$ for P=90% according to DIN EN 1745</td> </tr> <tr> <td>≤ 20 according to DIN EN 1015-19</td> </tr> </table> ■ Resistance-count for diffusion μ (H₂O): <table border="0" style="margin-left: 20px;"> <tr> <td>≤ 20 according to DIN EN 1015-19</td> </tr> </table> ■ Raw density: <table border="0" style="margin-left: 20px;"> <tr> <td>approx. 0.95 g/cm³ according to DIN EN 1015-10 (dry mortar)</td> </tr> </table> ■ Tensile strength under flexion: <table border="0" style="margin-left: 20px;"> <tr> <td>approx. 3.5-4.0 N/mm² according to DIN EN 1015-11</td> </tr> </table> ■ Fire behaviour: <table border="0" style="margin-left: 20px;"> <tr> <td>Class A1 according to DIN EN 998-1</td> </tr> </table> ■ Vehicle / Binding agent: <table border="0" style="margin-left: 20px;"> <tr> <td>Mineral binders according to DIN EN 197-1 and DIN 459-2 and aggregates according to DIN EN 13139</td> </tr> </table> ■ Capillary water absorption: <table border="0" style="margin-left: 20px;"> <tr> <td>W_2 according to DIN EN 998-1 and $c \leq 0.1 \text{ kg/(m}^2\text{min}^{0.5})$ according to DIN EN 1015-18</td> </tr> </table> 	$\lambda_{10 \text{ dry}} \leq 0.39 \text{ W/(mK)}$ for P=50% according to DIN EN 1745	$\lambda_{10 \text{ dry}} \leq 0.43 \text{ W/(mK)}$ for P=90% according to DIN EN 1745	≤ 20 according to DIN EN 1015-19	≤ 20 according to DIN EN 1015-19	approx. 0.95 g/cm ³ according to DIN EN 1015-10 (dry mortar)	approx. 3.5-4.0 N/mm ² according to DIN EN 1015-11	Class A1 according to DIN EN 998-1	Mineral binders according to DIN EN 197-1 and DIN 459-2 and aggregates according to DIN EN 13139	W_2 according to DIN EN 998-1 and $c \leq 0.1 \text{ kg/(m}^2\text{min}^{0.5})$ according to DIN EN 1015-18
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Supplementary Product	Capatect GUP FL 200									
Product No.	201									



Application

Substrate Preparation

Mask off window sills and add-on parts. Carefully cover glass, ceramics, clinker, natural stone, painted, glazed and anodised surfaces. Pre-plaster window reveals, handle pockets and break-outs.

All substrates must be load-bearing, even (DIN 18202), clean and free from adhesion-reducing residues. Pre-wet in case of high temperatures, wind and absorbent substrates.

The substrate should be matt damp.

Provide smooth, non-absorbent and highly absorbent substrates with cementitious spray coat of category CS IV according to DIN EN 998-1 or plaster mortar group P III according to DIN 18550-1.

Always check and prepare the render substrate and apply the render in accordance with VOB/C-ATV-DIN 18350 and DIN 18550-1 or DIN 18550-2.

Preparation of Material

Mix 30 kg material (one bag) in approx. 8.3 l water.

Mix with standard plastering machines, electric mixers or compulsory mixers.

Method of Application

Create a render layer:

Apply Capatect GUP SLP 201 in the desired render thickness by machine or manually with a trowel and stainless steel trowel and level with a cartridge.

Roughen sintered layers and unevenness with a grid scraper or remove by scraping. Depending on the weather conditions, the surfaces can be raked after 24 hours at the earliest. For rabbited surfaces, apply an adhesion primer that matches the decorative render. For non-rabbited surfaces, it is not absolutely necessary to apply an adhesive primer between the base coat and the decorative render.

In case of two-layer application, roughen the first plaster layer well.

Plaster surfaces in contact with the ground must be protected against the penetration of water and ground moisture by suitable measures.

When applying a single coat of plaster, apply the desired thickness of plaster, remove with a straight edge and rub off with a sponge disk after the material has set. Only use materials suitable for the plinth area as finishing renders and/or coatings.

Apply vapour retarding coatings only on completely dry render, at the earliest after reaching final strength, i.e. usually after 28 days.

After completion of the plinth plastering work, starting from the area in contact with the ground to at least 5 cm above ground level, apply moisture protection. The additional moisture protection is to be carried out e.g. with Capatect Sockelflex Carbon.

Render reinforcement or use of additional mesh layer:

1. partial surface reinforcement on the substrate.

In cases where reinforcement of the Render system is not to be applied over an entire façade surface, but only in small partial areas, e.g. roller shutter boxes, window corners, ceiling edges, mixed masonry and the like, partial surface reinforcement of e.g. Capatect Klebe- und Armierungsmasse 186M or Capatect Klebe- und Armierungsmasse 170 with Capatect Gewebe 650 on the substrate is recommended.

For render substrates with increased risk of cracking, e.g. window and door corner areas, embed additional reinforcement with Capatect Gewebe 666 in the upper third of the base coat.

2. full-surface mesh embedding in an additional base coat layer

Alternatively, for partial surface reinforcement, a full-surface layer of reinforced base coat made of e.g. Capatect Klebe- und Armierungsmasse 170 with fabric embedding of Capatect Gewebe 650 is to be applied.

3. special requirements require the use of an additional reinforced base coat layer

a) Special requirements for the render layer:

For highly exposed layers, light reference values below HBW 30 or finishing renders with grain size < 2 mm, a base coat layer e.g. Capatect Klebe- und Armierungsmasse 170 with fabric embedding of Capatect Gewebe 650 is required.

Apply the embedded fabric with an overlap of at least 10 cm in the joint area. In corner areas of building openings additionally embed Capatect Diagonal mesh 651.

b) Original Meldorfer® flat facing bricks:

If surfaces are to be laid with Original Meldorfer® flat facing bricks, a full-surface base coat layer with reinforcement fabric is applied on top of the base render layer. It is recommended to use a bonding agent, e.g. CapaGrund Universal, between the render layer and the subsequent covering. Capatect Meldorfer Ansatzmörtel 080 is used as base mortar.

Application of corner beads:

Insert corner bead adapted to layer thickness, e.g. "Capatect Gewebe Eckschiene Y-Form 658" in "Capatect GUP SLP 201". For further information, please refer to the valid special information on accessories.

TECHNICAL INFORMATION NO. 201

Consumption	approx. 1.2 kg/m ² per mm layer thickness. Determine exact material requirements by trial coating 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. 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). The dependencies of temperature, layer thickness and relative humidity must be taken into account.
Drying/Drying Time	approx. 1 day/mm layer thickness Depending on temperature, layer thickness and relative humidity.
Tool Cleaning	Immediately after use with water.
Example for Machine Equipment	Machines / equipment e.g: PFT mixing pump G4 Screw casing: D6-3 Screw conveyor: D6-3 Mortar hoses: Ø 25 mm, Ø 35 mm Wet mortar delivery distance: up to 20 m, up to 30 m Please request special information on machine application.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	If necessary, cover the scaffold with tarpaulins to protect it from rain during the curing phase. Observe DIN 18550-1 and DIN 18550-2 as well as DIN 18350, VOB, Part C for application and execution. For container or silo goods, please also observe the enclosed instructions. VOC content in accordance with Directive 2004/42/EC < 1 g/l. Danger. Hazard statements/ Precautionary statements: 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 dust or mist. Wash hands 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. Disposal: Can be landfilled after concentration, when in compliance with local regulations. Please follow the technical information. Declaration of ingredients according to VdL directive 01 (Germany): Cement, Calcium hydroxide, additives.
Disposal	Empty containers should be taken to an approved waste management facility for recovery or disposal. After solidification, the product can be disposed of in accordance with local regulations. EAK 17090
Giscode	ZP1
CE Labelling	Note on declaration of performance / CE marking: The marking with the CE symbol as per DIN EN 998-1 is placed on the package as well as the data sheet for the service declaration / CE marking, which can be accessed on the Internet at www.caparol.de .
Other Notes	Further advice: Tel.: +49 06154- 71 7 1710 Fax: +49 06154- 71 7 1711 e-mail: kundenservicecenter@caparol.de International Distribution: Please see www.caparol.com

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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.201 · Capatect GUP SLP 201 · Issued: April 2022