

Capatect-ArmaReno Sockel

Mineral dry mortar premix for use in the area of plinth/base walls. Suitable for preparation and renovation of unreinforced or reinforced render/plaster layers and felted plaster surfaces.



Product Description

Field of Application	High-grade all-round mortar, suitable for use in the area of plinth/base walls: As reinforcing mortar (rendering) within the Capatect-ETICS A and B. As renovation mortar for reworking sound, existing renders/plasters. To provide fine-grained, felted surfaces.	
Product Properties	<ul style="list-style-type: none"> ■ Mortar group P III (cement mortar) to DIN V 18 550/DIN EN 998-1; strength class CS III to DIN EN 998-1 ■ German classification of fire behaviour: "nichtbrennbar" (non-combustible) or schwerentflammbar (of low flammability) according to the configuration of the ETIC system in use ■ Weather-resistant ■ Water-repellent to DIN EN 1067 ■ Highly water vapour permeable ■ Low tension due to added fibres ■ Easy to apply, manually or by machines ■ High fresh mortar stability ■ Ecologically compatible ■ Modified by additives for hydrophobic effect, easy application and high adhesion 	
Packaging/Package Size	25 kg bag	
Colours	White	
Storage	Keep in a cool but frost-free place. Protect from direct solar radiation.	
Technical Data	<ul style="list-style-type: none"> ■ Diffusion-equivalent air layer thickness s_{dH_2O}: ■ Water permeability (w-value): 	<p>ca. 0.09 metres according to DIN EN 1062, class V2 (medium) – at 3–4 mm layer thickness</p> <p>≤ 0.1 kg/(m² · h^{0.5}) according to DIN EN 1062 – class W3 (low)</p>

Application

Substrate Preparation	<p>General advice: The substrate must be even, clean, dry, solid, sound/stable, and free of all residues and material that may prevent good adhesion.</p> <p>Mask window sills and attachments. Carefully cover glass, ceramics, clinkers, natural stone, glazed and anodized surfaces.</p>
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Reinforcing layer:

Smooth any uneven offset at the butt joints of EPS boards by sanding and remove the sanding dust. Sand yellow staining of EPS boards as well.

Renovation mortar:

Clean mineral substrates (renders/plasters of mortar groups PII/lime-cement mortars or PIII/cement mortars), if necessary to achieve a sound/stable surface.
 Clean mineral substrates (renders/plasters of mortar groups PII or PIII) having a slightly sanding surface, then prime with Syllitol Konzentrat 111.
 Clean sound existing paint coatings, adherent and not chalking, e.g. with high pressure water jet and then prime with Syllitol Konzentrat 111.
 Clean existing paint coatings, adherent and slightly chalking, e.g. with high pressure water jet – and then prime with Syllitol Konzentrat 111.
 Remove unsound (spalling) existing paint coatings.
 Substrates presenting surface cracks can only be covered when no further crack movement is expected.

Consumption

Reinforcing layer:

Approx. 1.3–1.5 kg/m² per mm layer thickness

Renovation mortar:

Approx. 1.3–1.5 kg/m² per mm layer thickness

Felted finishing render/plaster:

Approx. 4.0–4.5 kg/m² per layer of 3 mm thickness (recommended)

These indications are only reference values. The figure may vary according to substrate or application conditions. The exact rate of consumption is best established by a trial application on site.

Application Conditions

Working Temperature:

During the application and drying phase the temperature should not fall below +5° C and should not exceed +30° C for material, substrate and ambient air. In Germany: Refer to ISK*-Merkblatt „Verputzen bei hohen und tiefen Temperaturen“ (plastering at high and low temperature). Do not apply on sun heated substrates (direct sunlight), during wind, fog, high relative humidity or imminent rain and frost.

*)"International expert conference for Construction and facade", Austria-Germany-Switzerland

Drying/Drying Time

At 20° C and 65 % relative humidity the render/plaster is surface-dry after 24 hours.

Tool Cleaning

Immediately after use with water.

Material Preparation

Preparation of Material

Capatect-ArmaReno Sockel can be mixed with current flow mixers. Otherwise the contents of a 25 kg bag of powdered material (dry mortar premix) is gradually mixed into the required quantity of tap (potable) water and agitated with a powerful low-speed electrical paddle (agitator) until the mixture is free of lumps. Leave to stand and swell for approx. 5 minutes and stir up again. Adjust to working consistency with a small amount of tap (potable) water, if necessary. Water demand: approx. 4.5 to 5.5 litres per bag. Do not mix more material than can be applied within 1.5 hrs.

Never thin slightly hardened material, such material is unusable.

Example for Machine Equipment

Flow mixer Berö Calypso 15 with standard portioning or mixing spindle.

Application as Reinforcing Layer:

Attach the edge guard/protector to reveals and edges and the diagonal reinforcement to the edges of openings in the facade. Apply the Capatet-ArmaReno Sockel in the width of reinforcing fabric sheets and embed Capatect Fabrics 650 with an overlap of min. 10 cm. Then trowel the surface wet-on-wet with reinforcing mortar to assure a complete coverage of Capatect fabrics. The material has to be applied in a uniform layer thickness. Apply the reinforcing fabrics in centre or in the upper third of the layer. Layer thickness can be determined per requirement on the following heat insulating boards:

on EPS boards: 3 - 5 mm
 on boards made of mineral wool: 4 - 5 mm

Application as Renovation Mortar:

Depending on site requirements Capatect-ArmaReno Sockel is used for:
 Filling partial defects
 Trowelling and smoothing/levelling of existing textured renders/plasters
 Complete surface treatment of plinth/base wall masonry being in need of renovation.
 Therefore the embedding of reinforcing fabric is recommended.

Finishing Render/Plaster:

Prime with Sylitol Konzentrat 111, depending on substrate requirements and weather conditions, if necessary. Apply the material onto the substrate in a layer thickness of approx. 2 – 3 mm to produce a felted finishing render/plaster. During stiffening of mortar the surface may be felted with a wet felt or sponge float.

Note: In addition to the reinforcing layer the finishing render has also to be reinforced, when an ETICS/ EWI system must be applied, consisting of heat insulation boards Capatect-MW 119 DUO plus, Capatect-MW 149 EXTRA, Capatect-LS VB 101 or elastified Capatect-PS heat insulation boards with a felted surface.

First of all apply 2 to 3 mm of Capatect-ArmaReno Sockel and embed the Capatect fabric (reinforcement). Allow to harden and then apply once more approx. 2 mm of Capatect-ArmaReno Sockel and felt during the stiffening phase.

Note: Due to agglomeration of binder a sintered layer may form on felted surfaces which may cause fine shrinkage cracks. This is a typical effect (no deficiency to be pointed out to) and cannot be objected.

New renders/plasters can be coated after having respected an adequate idle period, normally 2 weeks at 20° C and 65 % relative humidity. Adverse weather conditions, e.g. influenced by wind and rain, extend the waiting time. The risk of efflorescence is minimised by an additional priming coat with CapaGrund Universal and after a waiting time of 7 days two finishing coats of ThermoSan or AmphiSilan may be applied.

Advice

If necessary, cover scaffoldings with tarpaulins to protect the surface from rain during the drying phase. In Germany: Follow DIN 18 550 and DIN 18 350, VOB, part C.

This mineral powdery material has an alkaline reaction. Irritant to skin. Risk of serious damage to eyes. Keep out of reach of children. Avoid contact with eyes or skin. On contact with eyes, wash immediately and completely with plenty of (clean) water and seek medical advice. Wear suitable protective gloves and eye/face protection. If swallowed, seek medical advice immediately and show the container (packaging) or label. Do not breathe dust.

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany/EC: Only completely emptied packaging (non-trickling) should be given for recycling. Dispose hardened material as mixed building and demolition waste.
European Waste Code: 17 09 04

Risk and Transportation Markings

Symbol: Xi – Irritant
Contains cement and calcium hydroxide.
Further Information: See Safety Data Sheet (MSDS).

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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. 0524 · Capatect-ArmaReno Sockel · Issued: January 2010

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