

Kieselit-Klima-Mörtel

Mineral adhesive and reinforcing mortar, particularly designed for the Kieselit-Klima system.



Product characteristics

Properties	<ul style="list-style-type: none"> • Suitable for bonding, reinforcement and as feltable finishing render/plaster • Easy application • Diffusion capable • High adhesive strength • Normal rendering/plastering mortar as per DIN EN 998-1 • Very high stability • Good felting properties • Non-flammable
Areas of application	Interior only

Material description

Binder	Cement
Density	Approx. 1.5 kg/dm ³ kg/dm ³
Water vapour permeability	≤ 0,05 m as per DIN EN ISO 7783 with 4 mm layer thickness
Water absorption coefficient (w-value)	< 0,1 kg/(m ² · h ^{0,5}) as per DIN EN 1062-3
Mortar group	P III according to DIN V 18550
Resistance to pressure	CS III as per EN 998-1
Average consumption (short text)	Bonding: approx. 4,000 g/m ² Reinforcement: approx. 4,500 g/m ² Felt plaster: approx. 1,500 g/ per mm layer thickness Corner protection: approx. 1,000 - 1,500 g/m
Average consumption	The consumption varies depending on the application technique and the substrate. It is therefore advisable to determine the exact consumption figure by producing a sample area.
Colour shade	Natural white
Storage	Cool and dry on wooden grids
Thinning	This product is ready for use.

Substrates

Suitable substrates	All usual mineral substrates (plasters/renders, concrete, masonry) Solid, mineral and organic existing paint layers Kieselit-Klima board
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Kieselit-Klima-Mörtel

Substrate conditions The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3). Existing gypsum, gypsum plasters, wallpapers and paint layers have to be removed.

Application

Application method Application by trowel

Application

Preparation of Material

The product is mixed with water. Approx. 6 l of water are needed for 25 kg. Do not extend the working time (pot-life) by the addition of water.

Bonding Insulation Boards

Use a notched trowel to apply the material over the entire back surface of Kieselit-Klima-Platte and comb through. Position the boards slightly staggered and move to their final position. Cavities behind the boards must be avoided.

Reinforcement

Apply the material manually to the layer thickness required. The reinforcement mesh Gittermatte should be embedded in the upper third of the reinforcement layer (finished layer thickness max. 7 mm). Appropriate edge profiles must be applied prior to the reinforcement. Minimal layer thickness 3 mm.

Finishing Render

Apply Kieselit-Klima-Mörtel manually up to a layer thickness of approx. 3 mm. Kieselit-Klima-Mörtel can be felted in wet condition. Allow to set for a short while and then use a moist sponge float for felting. If necessary wet again.

Note

The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These data refer to the white respectively standard product. Tinting may cause deviations.

Temperature limit

Between + 5° C and + 30° C for substrate and ambient air during processing and drying.

Drying time

At + 20° C for substrate and ambient air and 65% relative humidity (RH), final hardness after approx. 4 - 6 days. Depending on layer thickness, low temperatures and higher humidity, the drying time may be extended. Working time (pot-life): approx. 2 hours at + 20° C.

Tool cleaning

Immediately after use with water

Information

Product code ZP01

Observe safety data sheets Further details: See Safety Material Data Sheet (MSDS)

Waste disposal Only completely emptied containers should be given for recycling. Dispose dried/hardened product residues as construction site/demolition waste.

Container size

Content		EAN code	Article no.
25 KG	Papiersack	4002822022440	878392

System specific and system completing products

Kieselit-Klima-Platte
Gittermatte
Kieselit-CS-Sanierplatte

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBERWERKE.