

WEM clay adhesive, light finish Articles 20265, 20267, 20269

Scope

Dry, ready-mixed plaster for application by hand or plastering machine indoors. It is suitable for embedding reinforcing mesh with profiles on WEM climate elements, clay building boards, wood fiberboards in drywall systems, and for use as a smoothed or rubbed finish surface.

Composition

Ground, natural white clay, mixed-grain sands, mineral fillers, plant starch and cellulose.

Storage

Stored in a dry, frost-free place, it will keep for at least 3 years.

Delivery form

20 kg bag, 48 bags/pallet.

1000 kg in a big bag

Fertility

20 kg is sufficient for approximately 5 m² - 5.5 m² of plastered surface with a 3 mm plaster application.

1.3 - 1.5 kg/m² per mm layer thickness depending on the application.

Add water

For 20 kg of clay adhesive, approx. 5.5 – 5.8 liters of clean water (approx. 270 ml - 290 ml of water per kg of plaster)

Technical data

Order volume	2 - 5 mm
Grain group/Oversize	0/0.5 mm, < 1 mm
Bulk density class	1.4
Drying shrinkage	< 0.2% (≤ 3%)
Strength class	SII
compressive strength	1.5 N/mm ²
Flexural strength	> 0.3 N/mm ²
Adhesive strength	> 0.1 N/mm ²
thermal conductivity	0.6 W/(mK)
Water vapor diffusion resistance:	μ = 5/10
Building material class	A1
abrasion	≤ 0.7 g

Subsoil

The light-colored clay adhesive finish is suitable as a reinforcing layer for WEM climate elements, wood fiberboards, clay building boards, and load-bearing plaster layers. The substrate must be level, load-bearing, frost-free, dust-free, and clean. Plaster leveling layers must be completely dry. For unstable substrates, we recommend preparing the surfaces with WEM granular primer.

Processing

The light-colored clay adhesive is gradually sprinkled into clean water while stirring with a motorized whisk and stirred thoroughly for at least 5 minutes. The amount of water specified may need to be adjusted depending on the substrate and application method. Highly absorbent substrates should be pre-wetted or primed.

The clay adhesive is applied with a notched trowel or sprayed on by machine. The WEM fiberglass reinforcing fabric is then embedded.

To achieve a smooth surface and prevent the mesh from showing through, the area should be coated with another thin layer of plaster (approx. 1 mm) using a stainless steel trowel. The mesh pattern of the fabric must not be visible or subsequently show through. Once the plaster has reached a leather-hard consistency, it can be rubbed off.



Fig.1

Depending on the timing of the processing, the surface structure can be designed differently. Basically, the later the plaster mortar is rubbed down, the finer the texture will be.

Smooth surfaces are achieved through a post-treatment involving light compaction with a stainless steel trowel.

Final treatment of the plaster layer

To remove loose particles and increase strength and color brilliance, the completely dried surfaces can be minimally moistened and brushed with a soft wallpaper brush.

Notice

The mixed material can be used for several days if covered. However, it may be necessary to add more water.

Drying time

The drying time of the clay adhesive depends on the absorbency of the substrate and the drying conditions. Depending on the drying method and substrate, it can take approximately 1-4 days.

Additional coating

A subsequent coating of the clay adhesive may only be applied after it has completely dried.

Important instructions

Do not apply the clay adhesive finish to surfaces heated by the sun or in direct sunlight. A sufficient test must be carried out to determine its suitability for the specific substrate and to check the adhesion strength.

To ensure color and surface uniformity, mortar from several containers should be mixed together for contiguous areas. Mixing batches should be avoided. Due to the natural raw materials, color variations are possible.