



Clay Undercoat Plaster with Straw

DIN 18947 // Agreement tehnic nr. 001ST-04-144-2020

- Made exclusively from natural materials
- Regulates indoor air humidity
- Ensures a healthy and comfortable indoor climate
- High water vapour permeability

Product Caminota Clay Undercoat Plaster with Straw – Premixed clay plastering mortar for manual or mechanized application, natural humidity

Composition Clay, mixed grain quartz sand 0 - 4 mm, natural straw fibres

Field of use Natural plaster for interior spaces, compatible with substrates such as fired clay bricks, aerated concrete bricks, hempcrete, straw bales, and traditional earth-based materials (adobe, wicker, cobweb, etc.). The plaster ensures the flatness of the walls as a preparation for a finer mineral topcoat plaster or as a final layer for a rustic look.

Material parameters	Maximum particle size	4 mm
	Apparent density	1,6 g/cm ³ .
	Material consumption	approx. 16 kg/1 sq.m. /1 cm thickness
	Minimum layer thickness	5 mm
	Maximum layer thickness	20 mm
	Adhesion to substrate	> 0,1 N/mm ²
	Water vapour diffusion res.	μ 3/5 (table value)
	Strength class – DIN 18947	S II

The values are valid under standard conditions [T = (23 ± 2) ° C / Relative humidity: (55 ± 5)%] and refer to laboratory samples that can differ depending on application conditions.

Quality assurance Permanent verifications in third party laboratories.
ISO 9001: 2015 quality management system.

Term of validity Unlimited if stored in a dry place in the original, unopened packaging.

Supply form 25 kg bag, 1 pallet = 40 bags = 1000 kg
0,7 ton and 1 ton Big bag

General indications Application conditions:
- Room temperature: 10 - 35 ° C;
- Product and water temperature: 10 - 35 ° C;
- Relative air humidity: max. 70%;
- Maximum thickness / layer: 2 cm
- Minimum thickness / layer: 0.5 cm
Direct heating of the plaster is not permissible.

Permitted substrates

Fired clay bricks (hollow or solid), aerated concrete bricks, hempcrete, straw bales, and traditional earth-based materials (adobe, wicker, cobweb, etc.).



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Application instructions

Plaster base preparation:

Electrical and piping ducts shall be covered with an appropriate mortar before plastering. The substrate will be cleaned of all elements that easily come off the surface. It is recommended to use a primer with high water vapour permeability, such as casein-based primer. The substrate shall be sprayed with a water mist prior to application so that it is moist (but without water flowing down the surface) when applying the plaster.

General indications

The maximum application thickness per layer is 2 cm. Mixing of the product can be done by hand with trowel, hand mixer, concrete mixer or forced mixing mixer. The application interval between layers is at least 48 hours in the recommended conditions. The application will only be done on completely dry substrates, that are then sprayed with water during application. There must be no remains of cement mortar or plaster in the plastering machine.

Mixing times

5 minutes – forced action mixer, manual mixing of small quantities

10 minutes – drum mixer, hand mixer

A minimum waiting time of 10 minutes is recommended between mixing and application, adding more water before applying if necessary.

Water addition

The correctly mixed product will dissolve completely and without lumps, will be sticky on the trowel and on the support layer, easy to work and stable when applied to the wall at a maximum thickness of 2 cm per layer.

The usual water quantity necessary for a 25 kg bag is 4,5 L but this can differ depending on the humidity of the material inside the bag.

If the applied material flows down the wall the water quantity must be reduced. If the material does not easily stick to the wall/tools, or if it is hard to model with a trowel, the water quantity must be increased.

Recommended application method:

Prior to plastering, non-rusting plastering profiles and edge profiles should be installed. After the plaster base preparation, the plaster will be sprayed with a plastering machine (or applied manually with a trowel) to the required thickness, and the only the final plaster layer will be processed by scraping with an h-section feather edge.

The layers are applied at least 48 hours and only after the complete drying of the lower layer. The plastering profiles can be removed after 24 hours and the canals left behind can be filled with Caminota plaster.

Drying

The product dries naturally, without chemical reactions. Intensive ventilation of the plastered rooms will be ensured throughout the drying period. The temperatures indicated in the General Instructions must be respected. Drying too slowly can result



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in signs of mildew. Drying can be accelerated by heating the environment or using dehumidifiers. Direct heating of plastered walls is prohibited.

Finishing

It is recommended to finish plastered surfaces with Caminota Finisaj, for a uniform appearance. For a rustic look, Caminota Tencuiala can be painted without finishing. The final layer must be painted with a paint compatible with mineral substrates and with high vapor permeability, for example a lime-based paint.