



## Clay Topcoat Fine Plaster

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 Topcoat Fine Plaster – Premixed fine plastering mortar, for manual application.

**Composition** Clay, mixed grain quartz sand 0 – 0,4 mm

**Field of use** Natural topcoat fine plaster for interior spaces, for application on Caminota Undercoat Plaster and other substrates – as per the permitted substrates chapter. Serves as a thin finishing layer for mineral plasters and a base for compatible paints.

<b>Material parameters</b>	<b>Maximum particle size</b>	1 mm
	<b>Apparent density</b>	1,42 g/cm <sup>3</sup>
	<b>Material consumption</b>	app. 3,7 kg/ 1 sq.m./2,5 mm thickn.
	<b>Minimum layer thickness</b>	1.5 mm
	<b>Maximum layer thickness</b>	5 mm
	<b>Adhesion to substrate</b>	> 0,1 N/mm <sup>2</sup>
	<b>Water vapour diffusion res.</b>	μ 5/10 (table value)

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** Complies with German DIN 18947 clay mortar standards. 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

**General indications**

**Application conditions:**

- Room temperature: 10 - 35 ° C;
- Product and water temperature: 10 - 35 ° C;
- Relative air humidity: max. 70%;
- Maximum thickness / layer: 5 mm
- Minimum thickness / layer: 1.5 mm

Direct heating of the plaster is not permissible.

### Permitted substrates

Caminota Undercoat Plaster with Straw or other clay-based plasters. Also compatible with substrates such as fired clay bricks, aerated concrete bricks, hempcrete, straw bales, and traditional earth-based materials (adobe, wicker, cobweb, etc.), while not exceeding maximum layer thickness. For layers > 5 mm, Caminota Clay Undercoat Plaster with Straw is recommended as a first layer instead.



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### Application instructions

#### Plaster base preparation

The substrate will be cleaned of all elements that easily come off the surface. Any substrates other than Caminota Undercoat Plaster or raw earth materials must be primed with a compatible primer with high water vapour permeability, such as casein-based primer.

#### General indications

Mixing of the product can be done manually with a trowel, or with a hand mixer, concrete mixer or forced mixing mixer.

There must be no remains of cement mortar or plaster in the mixer. The application interval between layers is 48 hours in the recommended conditions. The application will be done only on completely dry substrates.

#### Mixing times

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

10 minutes – drum mixer, hand mixer

The mixed product will be left to stand for at least 15 minutes, after which it is mixed again briefly and more water is added if necessary.

#### Water addition

The correctly mixed plaster will be creamy, completely dissolved and lump-free, sticky on the trowel and on the substrate, easy to work with and stable.

The recommended amount of water for a 25 kg bag is 8 L, but this amount may differ depending on the storage conditions and the application method.

If the material flows off the trowel, reduce the amount of water in the mixture. If it comes off the substrate when applied, if it doesn't stain the support or if it doesn't mould easily on the wall, increase the amount of water.

#### Recommended application method:

Before application, finishing profiles that do not rust must be applied to all corners and edges. After preparing the substrate, the plaster is applied evenly with a trowel. Absorbent substrates can be misted with water. It is recommended to apply in a single layer of 2.5 mm. Layers below 2 mm cannot be finished with a sponge float.

#### Drying

The product dries naturally, without chemical reactions. The plastered rooms must be thoroughly ventilated. The temperatures indicated in *Application Conditions* must be respected. Drying can be accelerated by heating the environment or using dehumidifiers. Direct heating of plastered walls is prohibited.

#### Sponge float finishing

After drying completely, the surface will be sprayed with water and worked with a wet sponge float. The amount of sprayed water used for this process will be adjusted to obtain a uniform and pleasant texture.

If too much water is sprayed, the texture becomes coarser and more difficult to control, and there is a risk of detachment from the support. If not enough water is sprayed, the material will not visibly spread with each pass.



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### **Final preparation**

After the floated material is completely dry, all loose particles will be removed from the surface using a soft brush or by hand wearing a glove.

The product must be painted using a paint compatible with mineral plaster and high water vapor permeability.