

## Mineral 16 clay plaster 10.030

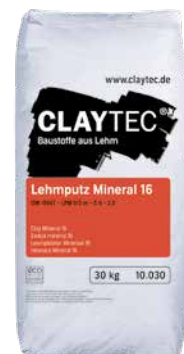
DIN 18947



- Basecoat and finishing plaster
- No organic components
- Dries quickly



Example with CLAYFIX clay coating system



Single- or multi-layered basecoat and topcoat plaster for indoor use. Mineral clay plaster is an basecoat and topcoat plaster all in one. It contains angular fractured sand to ensure strength. After application, the mortar sets very quickly and is soon ready for further treatment. If used as a basecoat plaster, it is suitable for all coarse and fine CLAYTEC clay finishing plasters, e.g. YOSIMA.

If used as a rough or even smooth finishing plaster with a mineral, straw-free surface texture, it can be applied using the CLAYFIX clay coating material system.

For details of Technical Advice  
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[www.claytec.de](http://www.claytec.de)  
For details of product data  
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## Mineral 16 clay plaster (basecoat and finishing plaster)

### 10.030

#### clay plaster mortar – DIN 18947 – LPM 0/2 f – S II – 2.0

**Type of clay plaster mortar** Clay plaster mortar for use as plastering mortar. Dry.

**Applications** Single or multi-layered basecoat and topcoat plaster for indoor use. Manual or machine plastering on masonry, solid building components, reed matting etc.

**Ingredients** Natural building clay up to 5 mm, mixed-grain washed or crushed sand 0-2.8 mm.  
Grain group: oversize grain according to DIN 0/2, < 5 mm.

**Country of origin** Germany

**Material properties** Drying shrinkage 2.0%. Strength class S II. Bending tensile strength 1.0 N/mm<sup>2</sup>. Compressive strength 2.5 N/mm<sup>2</sup>. Adhesive strength 0.20 N/mm<sup>2</sup>. Abrasion 0.1 g. Gross density class 2.0. Thermal conductivity 1.1 W/m·K.  $\mu$ -value 5/10. Vapour adsorption class WS III. Building material class A1.

**Form of delivery, coverage** 30 kg bags (yield 20 litres plaster mortar for 2.0 m<sup>2</sup> surface at thickness of 1.0 cm), 42 bags/palette.

**Storage** Can be stored dry for an indefinite period.

**Mortar preparation** With the addition of approx. 15-18% water using commonly available rotary drum, pan and trough mixers. In small quantities may also be mixed with a power agitator or by hand. Information on the use of plaster machines can be found at [www.claytec.de](http://www.claytec.de).

**Plaster base** Clay plasters adhere only by mechanical force. The substrate must be stable, frost-free, dry, clean, free of salt, sufficiently rough and absorbent. If a primer is required, CLAYTEC RED (13.435-.430) is suitable. If necessary, the substrate may be moistened first (with a spray) to bind surface dust. Reed matting must be dry. Remove any previous coatings forming a film.

**Plaster application method** Apply mortar using a trowel or spray on with a plastering machine. Thickness of application: basecoats 5-20 mm per layer, topcoats 6-10 mm. On concrete or overhead, strictly apply only 6 mm per layer. The consistency of the mortar must be matched to the application thickness. The use of YOSIMA clay design plasters requires a well rubbed, flat surface (special preparation additionally required) or a thin overlay of fine clay finishing plaster.

**Working time** Since no chemical setting process takes place, the material remains workable for several days if kept covered. It can be kept in plaster machines and hoses for the same length of time.

**Drying** After application, it is essential to ensure that drying takes place rapidly, e.g. by means of cross-ventilation (all windows and doors kept open 24 hours a day) or drying equipment. Under critical conditions, drying must be documented in accordance with DIN 18550-2. Details can be found in the relevant specification or the CLAYTEC 'Clay plaster worksheet'. We are also happy to provide separate information.

**Further treatment** Subsequent plastering is carried out after the previous layer has dried, and not until any shrinkage cracks have been closed up. The surface may be coated with WHITE primer (CLAYTEC 13.415-.410) and CLAYFIX clay coating.

**Work samples** The colours and textures of the various kinds of mineral clay plaster differ. Mineral 20 is not just earth-moistened Mineral 16, but an independent product with different granularity and composition.

The suitability of the substrate and application thickness must always be checked by means of a sufficiently large work sample. Compensation claims, unless they result from factory mixing errors, are excluded.

For further information, view the 'Clay plasters worksheet'.