

Lightweight clay masonry mortar

Item No. 05.022, 05.222, 10.122

DIN 18946



- Mortar for lightweight clay bricks
- Structurally adapted
- For timber-frame masonry



Masonry mortar for lightweight clay bricks used for timber-frame infills and interior shells. The wood-chip component allows adaptation to the material composition of the lightweight clay bricks, with the density and physical properties also being adjusted in this way. The bagged material (dry mortar) never expires.

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Changes and errors excepted.
Current version available at
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Clay masonry mortar - DIN 18946 - LMM 0/4 f - M0 - 1,4

Area of application Masonry mortar for clay bricks and lightweight clay bricks in the application class I or II. Not to be used as plastering mortar or as the base material for the manufacture of plastering mortar.

Composition Natural construction clay up to 5 mm, sand 0-2 mm, wood granulate (chips) up to 20 mm. Grain classification, oversize grain according to DIN 0/4, < 8 mm.

Material parameters Drying shrinkage < 3.0 %. Strength class M0. Gross density class I.4. Thermal conductivity 0.59 W/m·K. μ -value 5/10. Building material class B2*. Building material class, B2 respectively, better classification is possible subject to fire protection tests (Lehmbau Regeln DVL 2009, p. 97).

Supply form, coverage

Earth-moist 5.022 in 1.0 T big-bags (yields 700 l masonry mortar)
 Earth-moist 05.222 in 0.5 T big-bags (yields 350 l masonry mortar)
 Dry 10.122 in 25 kg bags (yields 20.5 l masonry mortar), 48 bag/Pal.

Storage Store in a dry place. Earth-moist lightweight clay masonry mortar should be applied no later than 3 months after manufacture, in the case of dry goods, unlimited storage is possible. **Earth-moist goods must be stored in winter protected from freezing, otherwise workability during freezing is impaired.**

Required material Depending on the brick format and wall thickness the following amount of mortar litre/m² is produced:

Brick format	11.5 cm	24.0 cm
NF	30	70
2DF	20	55

Mortar preparation Add approx. 10% water (earth-moist) or approx. 30-35% (dry) using any rotary drum, pan and trough mixers. For smaller amounts use a motor whisk or mix by hand.

Processing The mortar is processed according to the rules of masonry. If lime plaster is planned, strip the masonry joints to an even level, to improve plaster adhesion later scrap them out sharply to create a recess of max. 3 mm.

Working time Since no chemical setting process takes place, the material can be processed over several days if kept covered. It can remain in mortar pumps and hoses for just as long.

Colour The colour of the mortar may deviate from the colour of the clay bricks and lightweight clay bricks.

Claims for compensation that do not result from factory mixing errors are excluded. Subject to change and errors excepted. As of 2025/2.