Product Datasheet

Light plastering mortar

CODEX FM 388 LIGHT

Quick lightweight plastering mortar for filling chases and facing walls

APPLICATIONS

Accelerated, stable lime/cement light plastering mortar for closing cable grooves, pipe penetrations, masonry openings and cavities, and for filling facing walls and radiator recesses.

It is applied from 5 mm to a maximum of 20 cm layer thickness bonded on mineral substrates. Up to a layer thickness of 15 cm, codex FM 388 light can be applied in one layer; for thicker layers, work in several layers. A fabric layer is required to attach the covering. Tile and natural stone, plasters and visible levelling compounds can be applied as coverings. Also suitable for creating bonded slopes for floor-level showers, up to a maximum of 2.5 m².

For subsequent tiling on wall surfaces, the surface weight of the covering must not exceed 25 kg/m².

Suitable for indoor and outdoor use.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials (LEED v4)

SUITABLE FOR

- Grooves
- Cavities
- WC facing
- Radiator niches
- Underfilling shower bases and bath tubs

SUITABLE ON

- Brick masonry
- Concrete block masonry
- Sand-lime masonry
- Aerated concrete masonry
- Concrete
- Expanded concrete

PRODUCT BENEFITS/FEATURES

- Up to 20 cm layer thickness
- High-yield
- Simple application
- Quick-setting
- Low-tension
- Superb low-slump properties
- Light material to transport
- Suitable for plastering machines, e.g. the PFT G4
- Heat-insulating
- Sound-insulating
- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)

TECHNICAL SPECIFICATIONS

Pack type	paper bag
Pack size	15 kg
Shelf life	6 months
Color	white/grey
Minimum working temperature	+ 5 °C to + 25 °C
Ideal working temperatures	+ 10 °C to + 25 °C
Water quantity required	approx. 9.5 l/ 15 kg
Working Time/ Pot Life	approx. 10 min.
Set to foot traffic	approx. 12 hours
Ready to be worked on	after approx. 12 hours
Burning behaviour	A2-s1, d0
Coefficient of improvement of sound absorption	approx. 15 dB with tiling, according to EN ISO 16251-1
Consumption	approx. 3 kg/ 1 cm layer thickness

*At 23 °C and 50% relative humidity.

GEV-EMICODE EC 1 PLUS very low emission

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CODEX FM 388 LIGHT

SUBSTRATE PREPARATION

The substrate must be firm, dry, free of cracks, clean, load-bearing and free of materials that could affect bond strength. Test the substrate in accordance with applicable standards and notices and report any deficiencies. Mechanically prepare smooth concrete surfaces, adhesion-reducing or unstable layers if necessary, e.g. by grinding, brushing, milling, sand-blasting or shot-blasting, and clean to ensure they are free of dust.

Prepare substrate according to type and condition with suitable primers from the codex range of products. Slightly pre-wet absorbent cementitious substrates (e.g. holes and pipe grooves). Priming is not absolutely essential, but is recommended. Allow primers to always dry completely.

Pipes with diameters of up to 60 mm can be plastered flush to wall surfaces. Larger pipe diameters must have cover of at least 10 mm. Pipe cover of at least 20 mm is always required on the floor.

When calculating the layer thickness, the required fabric layer must be taken into account.

Refer to the product data sheets for other products used.

APPLICATION

Application by hand:

1. Place the dry powder in a clean container, then add clean water and mix to a plastic, lump-free mortar. Only mix as much mortar as can be applied within the working time.
2. The mortar starts to set rapidly, so apply immediately and quickly.

Application by machine:

1. Machine equipment: Install mixing spiral for insulating plaster or light plaster; use the remixer (Rotoquirl); stator e.g. PFT 8-1.5; rotor 8-1.5 with tang; hose: 25mm; conveying distance max. 20m
2. Given the fast setting time, interruptions to work must not exceed 10 minutes. For longer interruptions, the machine and hoses etc. have to be emptied and cleaned.

Installation:

1. A fabric layer using codex UX 410 and a codex S1 thin-bed mortar must be applied within 12 to 72 hours to avoid excessive drying of the light plaster. A fast-setting thin-bed mortar is ideal for rapid progress. Tiles/natural stone of any format can then be installed on the fabric layer. In shower areas, the codex Hydrostop sealing sheet can also be bonded directly instead of the fabric layer.
   Using a fabric layer, a format from 5 x 5 cm can be installed; but if installing directly on codex Hydrostop, a format of at least 10 x 10 cm is required.

CONSUMPTION

Layer Thickness	Approx. Consumption	Size / Coverage
1 cm	3 kg/m²	5 m²
5 cm	15 kg/m²	1 m²
10 cm	30 kg/m²	0.5 m²

IMPORTANT NOTES

- Store in a cool and dry place. Tightly re-seal opened containers and use the contents as quickly as possible.
- Best processed at +10°C to +25°C. Low temperatures increase and higher temperatures decrease the drying time.
- Do not stir thickening mortar or dilute with water or mix with dry mortar.
- Protect freshly plastered surfaces from draughts, direct sunlight and heat.
- Do not use in underwater areas.
- Do not use on wooden substrates.
- Not suitable for fixing/anchoring heavy objects such as washbasins etc.
- The stated impact sound reduction is a guide value measured under standard conditions. The values may differ due to the individual acoustics of each building and the materials used, as well as possible flooring construction. To determine the actually achieved impact sound reduction, the measurement must be carried out under real conditions.
- In addition to all relevant standards, guidelines and bulletins, the following are recommended for special attention:
  - DIN 18 352 "Tile and slab work"
  - DIN 18 157 "Execution of tilings and coverings by thin mortar bed technique"
  - ZDB (Central Association of the German Construction Industry) bulletins:
    - "Composite sealants"
  - BEB bulletin:
    - "Assessment and preparation of substrates"

SEALS OF QUALITY & ECOLABELS

- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 PLUS / Very low-emission

CONSTITUENTS

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Contains cement low in chromate acc. Regulation (EC) No. 1907/ 2006 (REACH). Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. Use protective gloves. When mixing wear a protective dust-mask. Presents no physiological or ecological risk when fully cured.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this datasheet invalidates all previous Information. The respective updated version of this datasheet can be found on our website: www.codex-x.com | 01/2022

DISPOSAL

Where possible, collect product residues and re-use. Do not allow to get into drains, sewers or ground. Empty paper packaging is recyclable. Collect waste product, mix with water, allow to harden, then dispose as Construction Waste.

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