Ceresit

CT 21

Blockwork mortar

Thin-bed mortar for producing brickwork from blocks made of aerated concrete or sand-lime

CHARACTERISTICS

- ▶ long open time
- ▶ waterproof
- ▶ frost-resistant
- ▶ volume-stable
- ▶ easy to use

Test certificate no. 220004236-05, MPA, NRW

SCOPE OF USE

For fixing blocks and slabs made of aerated concrete or sand-lime using the thin-bed method.
For joint widths of 1 to 3 mm.
For internal and external walls.
For producing brickwork from aerated concrete blocks (grades G 2, G 4 and G 6).
For trowelling blocks and slab made of sand-lime (indoor use).

SUBSTRATE PREPARATION

CT 21 adheres to all solid, load-bearing and clean substrates free of substances which may impair adhesion. Aerated concrete blocks and sand-lime bricks must have a rough, open-pored surface.

APPLICATION

Sprinkle CT 21 into clean, clear water and stir until completely free of lumps. Observe the following mixing ratio: 1 part by volume of water to approx. 2.5 parts by volume of mortar **or** approx. 7.4 l of water for 25 kg of CT 21.
CT 21 is workable for about 4 hours. Apply the mortar with a notched trowel, blockwork trowel or notched spreader using the combing technique.

Observe the open time of approx. 10 minutes.
The position of the blocks can be adjusted for approx. 5 minutes after placing.

PLEASE NOTE

Use CT 21 only in dry conditions and at temperatures of +5 °C to +30 °C.
CT 21 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin. In case of contact thoroughly rinse with water.
In case of contact with the eyes seek medical advice immediately.

Should you need support or advice, please consult our advisory service for architects and craftsmen.
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EN 998-2: 2003

Thin layer mortar
with aggregate size < 1.0 mm
998-2 2003 : M 10

Compressive strength	**Category M 10**
Initial shear strength	**0.3 N/mm² (tab. Value)**
Contents of chloride	**≤ 0,1 M.-%**
Reaction to fire	**class A 1**
Water vapor permeability	**μ 15/35**
Thermal conductivity (λ 10, dry)	**0.83 W/mK (tab.-value)**

Durability (against freeze-thaw): evaluation based on provisions valid in the intended place of use of the mortar

TECHNICAL DATA

Base:	cement combination with synthetic resin additive and mineral fillers (low chromate acc. to TRGS 613) GISCODE: ZP 1
Powder density:	approx. 1.38 kg/dm³
Mixing ratio:	approx. 7.4 l of water for 25 kg
Application time:	≥ 3.5 hours
Application temperature:	+5 °C to +30 °C
Open time:	≥ 10 minutes
Compressive strength: (DIN 1164)	approx. 20 N/mm²
Bending tensile strength: (DIN 1164)	approx. 7 N/mm²
Adhesive tension strength:	approx. 1.5 N/mm²
Amount required:	approx. 1.3 kg/m² and mm layer thickness
Reference value:	approx. 4.6 kg/m² wall area with a wall thickness of 24 cm, an average joint width of 2.5 mm and filling of the cross and course joints
Storage:	shelf life approx. 12 months in a dry place
Packaging:	25 kg paper sacks

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