

CX 15

Grouting mortar

For high-strength anchoring with a clearance of 20 to 50 mm

CHARACTERISTICS

- ▶ non-shrink and low-stress
- ▶ high flowability
- ▶ free of chloride and aluminous cement
- ▶ resistant to frost and de-icing salt
- ▶ rapid hardening

Test certificate no. 211267491-02,
MPA, NRW

SCOPE OF USE

1

For grouting joints between prefabricated members and between prefabricated members and insitu concrete.

For filling openings and recesses in concrete. For underpinning brickwork in order to achieve cavity-free anchoring, e.g. of securing bolts.

For grouting bridge bearings, crane rails and machine support legs.

For grouting steel inserts in concrete.

With grouting depths or widths of 50 to 100 mm extend the mortar with 25 % gravelly sand of 4 to 8 mm grain size.

SUBSTRATE PREPARATION

CX 15 adheres to solid, load-bearing, clean and moist concrete free of substances which may impair adhesion. The surface must be open-pored, rough and have a good keying structure. Mechanically remove any dirt. Thoroughly pre-wet the concrete, but free of puddles, in two operations with an interval of two hours.

APPLICATION

Add 25 kg of CX 15 to approx. 2 l of clean water and premix with a compulsory-type mixer or electric drill with stirrer attachment until completely free of lumps.



Then add the remaining water until the appropriate consistency is reached and mix for a further 5 minutes. Apply the mortar within 60 minutes. Observe a minimum clearance of 20 mm at every point of the anchoring or of the cavity to be grouted to ensure cavity-free compaction.

Protect fresh mortar against too rapid drying and keep damp for at least 48 hours.

PLEASE NOTE

Use CX 15 only at temperatures of +5 °C to +30 °C. Do not mix with other materials, additives or binders. If aggregate of grain size 4 to 8 mm is added, mortar properties may change and its strength be reduced. CX 15 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin. If contact occurs, rinse thoroughly with water. In case of contact with the eyes seek medical advice immediately.

Use other Ceresit products for types of work other than those specified above.

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers

Phone: +49 211 797 0

Fax: +49 211 798 2148

TECHNICAL DATA

Base:	cement combination with mineral fillers (low chromate acc. to TRGS 613) GISCODE ZP 1
Powder density:	1.53 kg/dm ³
Mixing ratio:	approx. 2.9 l of water for 25 kg
Mixing time:	approx. 5 minutes
Application time:	approx. 60 minutes
Application temperature:	+5 °C to +30 °C
Start of setting:	after 5 to 6 hours
End of setting:	after approx. 7 hours
Swelling capacity:	approx. + 0.8 vol.-%
Flowability:	after 5 minutes 550 mm, after 30 minutes 450 mm
Bending tensile strength (DIN 1164):	after 24 hours ≥ 4.0 N/mm ² after 3 days ≥ 5.0 N/mm ² after 7 days ≥ 7.8 N/mm ² after 28 days ≥ 8.5 N/mm ²
Compressive strength (DIN 1164):	after 24 hours ≥ 30.0 N/mm ² after 3 days ≥ 35.0 N/mm ² after 7 days ≥ 64.0 N/mm ² after 28 days ≥ 80.0 N/mm ²
Amount required:	approx. 1.8 kg/l cavity volume
Storage:	Approx. 6 months if stored tightly closed in a cool and dry place. Use up opened containers as soon as possible.
Packaging:	25 kg paper sacks

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Henkel AG & Co. KGaA – Bautechnik
Henkelstraße 67 · D-40589 Düsseldorf
Telefon +49 (0) 211/797-0 • Telefax +49 (0) 211/798 6667
Internet: www.ceresit.henkel.com · E-Mail: ceresit.bautechnik@henkel.com



Build on professional solutions.