

CT 25

Concrete filler

Fine filler for smoothing and repairing concrete surfaces in layers of up to 5 mm

CHARACTERISTICS

- ▶ rapid hardening
- ▶ frost-resistant
- ▶ easy to use
- ▶ waterproof
- ▶ volume-stable

SCOPE OF USE

For levelling and smoothing fair-faced concrete. For repairing and structuring concrete surfaces and for use on other cement-bound substrates.

For closing and smoothing pores and shrinkholes.

As a fine filler before applying Ceresit surface protection systems or other coatings.

For use on exterior and interior walls and for the underside of ceilings.

Not suitable for levelling and smoothing floors.

SUBSTRATE PREPARATION

CT 25 adheres to all solid, load-bearing, clean, dry and moist substrates free of substances which may impair adhesion.

The surface must have a rough, open-pored structure. Smooth surfaces, e.g. based on Betoplan or plastic formwork, must be roughened. Pre-wet concrete and cement plasters so that they are no longer absorbent.

APPLICATION

Sprinkle CT 25 into clean, clear water and stir until completely free of lumps.

Observe the mixing ratio (see technical data).

Apply CT 25 within 20 minutes and, if required, structure the surface. Protect the filler against too rapid drying.

Wait at least 5 days before applying paints and coatings.



PLEASE NOTE

Use CT 25 only in dry conditions and at temperatures of +5 °C to +30 °C.

CT 25 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. Please refer in particular to DIN 1045. Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

Should you need support or advice, please consult our advisory service for architects and craftsmen.
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00451	
EN 1504-3: 2006 R1	
Concrete repair product for non-structural repair CC mortar	
Compressive strength	class R 1
Contents of Chloride	$\leq 0,05\%$
Adhesive bond	$\geq 0,8 \text{ N/mm}^2$
Carbonation resistance	NPD
Elastic modulus	NPD
Thermal compatibility Part 1, Freeze-thaw	Visual inspection after 50 cycles
Skid resistance	Class II: > 40 units dry tested
Capillary absorption	NPD
Reaction to fire Euroclass	F
Dangerous substances	comply with 5.4

TECHNICAL DATA

Base:	cement combination with mineral fillers and high-quality synthetic resin powder (chromate-reduced) GISCODE ZP 1
Powder density:	approx. 1.4 kg/l
Mixing ratio:	1.0 to 1.2 l of water for 5 kg 5.25 to 5.5 l of water for 25 kg
Application time:	approx. 20 minutes
Application temperature:	+5 °C to +30 °C
Rainproofness:	after 24 hours
Ready for coating:	after 5 days
Shrinkage:	$\leq 2 \text{ mm/m}$
Compressive strength (DIN 1164):	after 1 day $\geq 3.5 \text{ N/mm}^2$ after 7 days $\geq 10.5 \text{ N/mm}^2$ after 28 days $\geq 12.5 \text{ N/mm}^2$
Bending tensile strength (DIN 1164):	after 1 day $\geq 1.7 \text{ N/mm}^2$ after 7 days $\geq 2.5 \text{ N/mm}^2$ after 28 days $\geq 2.8 \text{ N/mm}^2$
Modulus of elasticity (dynamic):	approx. 11 200 N/mm ²
Amount required:	1.4 kg/m ² per mm layer thickness
Colour:	concrete grey
Storage:	shelf life approx. 12 months in a dry place

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our control, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part.

This technical data sheet supersedes all previous editions.

Apart from the information given in this technical data sheet, it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable DIN standards.

All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

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