

Ceresit

Ceramit

CM 18 EasyFlex

V 16E-1.CM18-09.01



Flexible thin-bed adhesive mortar for laying ceramic tile coverings on critical substrates

**Test certificate no. 21002368-01,
MPA, NRW**

CHARACTERISTICS

- ▶ 30 % higher coverage
- ▶ very easy to use
- ▶ extremely long open time
- ▶ ready for grouting after 12 hours

SCOPE OF USE

For placing and laying ceramic tile coverings, fine stone-ware and insulating boards.

For ensuring a flexible adhesive bed and for avoiding squeezing stresses on critical substrates. For use on heated screeds, balconies, patios and facades, especially on young precast concrete members (at least 3 months old).

For repairing and levelling unevennesses of up to approx. 8 mm depth prior to tile laying.

SURFACE PREPARATION

CM 18 adheres to all solid, load-bearing, clean, dry and moist surfaces free of substances which can cause separation. Coatings of inadequate bearing strength must be removed.

Indoors:

Use CT 17 to prime calcium-sulphate-bound screeds (gypsum/anhydrite mechanically roughened, freed from dust, residual moisture ≤ 0.5 wt-%, heated screed ≤ 0.3 wt-%), light-weight concrete, plasterboards and gypsum plasters (PIVa/b and PV, residual moisture ≤ 1 wt-%), sandwich-type and fibrous plasterboards, wood chipboards (min. V 100, thickness $\varnothing 22$ mm), blockboards as well as all highly absorbent surfaces. Allow the priming coat to air for approx. 4 hours. Extruded polystyrene tiles, tile support elements, tile coverings, natural/ artificial stone floors, firmly adhering coatings, mastic asphalt (GE10/GE15,



roughened with sand, no industrial use) do not need to be primed. Paintwork (not chalking and with good adhesion) must be thoroughly roughened and freed from dust.

Outdoors and indoors:

Tiles can be laid direct onto plasters of mortar groups P II/P III (at least 28 days old), cement screeds (at least 28 days old, residual moisture ≤ 2 wt-%), heated screeds (≤ 1.8 wt-%) and concrete (at least 3 months old).

APPLICATION

Stir CM 18 into clean, clear water until it is completely free of lumps. Approx. 7.6 to 9.0 l of water are needed to prepare 18 kg of CM 18.

If less than the complete pack is used, mix 2 parts by volume of powder with about 1 part by volume of water. Leave to mature for approx. 5 minutes, then thoroughly mix the mortar again.

If necessary, carefully add water until the desired consistency is achieved. Apply the thin-bed mortar according to the recognized rules of the thin-bed method. Allow for a skin formation time of approx. 30 minutes. Use a notched spreader with suitable toothing so that the raised mortar is at least 65 %. Fresh excess mortar can be removed with water, once hardened material can only be removed mechanically. Ready for grouting after approx. 12 hours.

PLEASE NOTE

Use CM 18 only in dry conditions and at temperatures of +5 °C to +30 °C. All data given was obtained at a temperature of +23 °C and 50 % relative air humidity. Please note that under other climatic conditions hardening can be accelerated or delayed.

CM 18 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin. In case of contact rinse thoroughly with water. In case of contact with the eyes seek medical advice immediately.

OTHER INFORMATION

Apart from the information given in this leaflet, it is 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).

Please refer in particular to DIN 18 332, DIN 18 157, DIN 1851 and the information sheets issued by the Central Association of the German Building Trade (ZDB).

Use other Ceresit products for laying tiles in chemically stressed areas and on substrates other than those mentioned here. Table 1.10 helps you select the right product.

The warranted characteristics are based on practical experience and applied testing. Site- or application-specific conditions may vary from those described here, and thus the correct and successful use of our products is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable.

Legal liability cannot be accepted, either solely based on the content of this information sheet, or any verbal advice given.

Should you have any questions, please consult our advisory service for architects and craftsmen:

phone +49 2 11 73 79-222, fax +49 2 11 73 79-224.

This information sheet supersedes all previous issues.

TRANSPORT AND STORAGE

Shelf life approx. 12 month in dry conditions.

PACKAGING

18 kg paper sacks

TECHNICAL DATA

Base: Synthetic resin modified cement (low chromate acc. to TRGS 613) with light fillers and selected sands. Thin-bed mortar DIN/EN 12004, C2TE
GISCODE ZP1

Bulk weight: approx. 0.90 kg/liter

Mixing ratio: approx. 7.6 l (stiff) to 9.0 l (floors) water for 18 kg

Maturing time: 5 minutes

Application time: approx. 2 hours

Application temperature: +5 °C to +30 °C

Open time: approx. 30 minutes

Creep: ≤ 0.10 mm

Groutable after: approx. 12 hours

Temperature resistance: -30 °C to +70 °C

Adhesive tension strength with all storage types: ≥ 1.0 N/mm²

Amount required:	Notch depth acc. to DIN 18 157 in mm	Amount required in kg/m ²
	4	1.2
	6	1.4
	8	1.9
	10	2.2
	medium bed	3.6