

# CM 24

## Medium bed mortar EasyFlex

Flexible, rapid-setting medium-bed mortar  
for fixing large-sized natural stone slabs  
and ceramic coverings



### CHARACTERISTICS

- ▶ optimum ease of use
- ▶ excellent coverage
- ▶ discoloration-proof
- ▶ rapid load-bearing strength
- ▶ levelling up to 20 mm

Test certificate no. 220001556-02,  
MPA, NRW

### SCOPE OF USE

For highly load-resistant, nearly cavity-free laying of natural stone, cast stone and ceramic slabs, using the thin- and medium-bed method, indoors and outdoors. For discoloration-proof fixing of non-translucent natural stone slabs.

For covering small areas using the thick-bed method. For repairing and levelling any unevenness up to approx. 20 mm prior to laying slabs.

### SUBSTRATE PREPARATION

CM 24 adheres to all solid, load-bearing, clean, dry and damp substrates free from substances which may impair adhesion.

Coatings of insufficient load-bearing strength must be removed.

#### Indoor use:

Use CT 17 to prime calcium-sulphate-bound screeds (gypsum/anhydrite mechanically roughened and free from dust, residual moisture  $\leq 0.5$  wt-%, heated screeds  $\leq 0.3$  wt-%) as well as all highly absorbent substrates. Allow the priming coat to air for approx. 4 hrs.

#### Outdoor and indoor use:

Cement screeds (at least 28 days old, residual moisture  $\leq 2$  wt-%, heated screeds  $\leq 1.8$  wt-%) and concrete (at least 3 months old) can be covered directly with slabs and tiles.



### APPLICATION

Stir CM 24 into clean, clear water until the mixture is completely free of lumps.

Use approx. 5.5 l of water to prepare 18 kg of CM 24. If less than the complete pack is used, observe a mixing ratio of 3 p/v of powder to approx. 1 p/v of water.

Leave the mortar to mature for approx. 5 minutes and then stir again.

If necessary, carefully add water until the desired consistency is achieved. Apply the mortar according to the recognized rules of the thin-bed/medium-bed method. Allow for a skin formation time of approx. 30 minutes. Use a notched spreader with suitable toothing (at least 8 mm) so that the raised mortar is at least 65 %.

Fresh excess mortar can be removed with water; hardened material can only mechanically be removed. Ready for grouting after 4 hrs.

Use CM 24 only in dry conditions and at temperatures of +5 °C to +30 °C.

## PLEASE NOTE

CM 24 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin and rinse thoroughly with water if contact occurs. In case of contact with the eyes seek medical advice immediately.

Please refer in particular to DIN 18 332, DIN 18 333, DIN 18 352, DIN 18 157, DIN 18 515 and to the information sheets issued by the Central Association of the German Building Trade (ZDB) and by the German Natural Stone Association.

Use other Ceresit products for laying tiles in areas exposed to chemicals and on substrates other than those mentioned here.

Observe the warnings-, safety- and waste advice given in the safety data sheet.

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<b>0432</b>	
Henkel AG & Co. KGaA Henkelstr. 67, D-40589 Düsseldorf	
<b>03</b>	
<b>00046</b>	
<b>EN 12004:2007+A1:2012 C2FI S1</b>	
<b>Fast setting, deformable cementitious adhesive with improved characteristics and extended open time</b>	
Reaction to fire	<b>E</b>
Release of dangerous substances	<b>see MSDS</b>
Bond strength, as:	
Initial tensile adhesion strength	≥ <b>1.0 N/mm<sup>2</sup></b>
Tensile adhesion strength after water immersion	≥ <b>1.0 N/mm<sup>2</sup></b>
Tensile adhesion strength after heat ageing	≥ <b>1.0 N/mm<sup>2</sup></b>
Tensile adhesion strength after freeze-thaw cycles	≥ <b>1.0 N/mm<sup>2</sup></b>
Durability, for:	
Open time: tensile adhesion strength after not less than 30 min	≥ <b>0.5 N/mm<sup>2</sup></b>
Open time: tensile adhesion strength after 6 h	≥ <b>0.5 N/mm<sup>2</sup></b>
Deformable adhesive: transverse deformation	≥ <b>2.5 mm</b>

## TECHNICAL DATA

Base: plastic-modified cement combination (chromate-reduced) with lightweight fillers and selected sands  
GISCODE ZP1

Bulk weight: approx. 1.09 kg/dm<sup>3</sup>

Mixing ratio: approx. 5.5 l of water for 18 kg of powder  
approx. 0.3 l of water for 1 kg of powder

Maturing time: 5 minutes

Application time: approx. 60 minutes

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

Open time: approx. 30 minutes

Ready for grouting: after 4 hours

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

Adhesive tension strength (EN 1348) with all storage types: ≥ 1.0 N/mm<sup>2</sup>

### Amount required:

	Notch depth in mm	Amount required in kg/m <sup>2</sup>
	8	1.9
	10	2.7
	medium-bed	4.5

Shelf life: Approx. 12 months if stored in a tightly sealed container, in cool and dry conditions. Use product in opened containers as soon as possible.

**Should you need support or advice, please consult our advisory service for architects and craftsmen.**  
Phone: +49 (0) 211/797 106-07/-55/-59  
Fax: 0211-798-1204

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.

 Henkel AG & Co. KGaA – Bautechnik  
Henkelstraße 67 · D-40589 Düsseldorf  
Telefon +49 211 797 0 · Telefax +49 211 798 2148  
Internet: www.ceresit.com · E-Mail: ceresit.bautechnik@henkel.com

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