

CM 15

Thin-bed mortar for marble Easy

White thin- and medium-bed adhesive mortar for fixing bright translucent natural stone slabs

For discoloration-proof bending



CHARACTERISTICS

- ▶ white and discoloration-proof
- ▶ very high yield
- ▶ optimum ease of use
- ▶ excellent coverage
- ▶ rapidly ready for grouting

SCOPE OF USE

For discoloration-proof fixing of bright and translucent marble and other natural stone slabs and tiles using the thin- and medium-bed method, also on heated screeds. For fixing ceramic earthenware and stoneware tiles. For repairing and levelling any unevenness up to approx. 8 mm prior to laying slabs/tiles.

SUBSTRATE PREPARATION

CM 15 adheres to all solid, load-bearing, clean, dry and damp substrates free from substances likely to impair adhesion. Coatings of insufficient load-bearing strength must be removed.

Indoor use:

Use CT 17 to prime calcium-sulfate-bound screeds (gypsum/anhydrite must be mechanically roughened and freed from dust, residual moisture ≤ 0.5 wt-%, heated screeds ≤ 0.3 wt-%), lightweight concrete, plasterboards and gypsum plasters (PIVa/b and PV, residual moisture ≤ 1 wt-%), gypsum and fibrous plasterboards as well as all highly absorbent substrates. Allow the priming coat to air for approx. 4 hours.

No priming is needed with extruded polystyrene boards, tile support elements, tile coverings, natural and artificial stone floors, firmly adhering coats, mastic asphalt screeds (GE 10/15, roughened with sand, no industrial use).

Paint coats (not chalking, good adhesion) must be thoroughly roughened and freed from dust.



Outdoor and indoor use:

Plasters of mortar group PII/PIII (air-dry, 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 6 months old) can be covered directly with slabs/ tiles.

APPLICATION

Stir CM 15 into clean, clear water until the mixture is completely free of lumps. 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 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; hardened material can only mechanically be removed.

When using CM 15 on critical substrates, old natural and artificial stone coverings (indoors), paint coats, lightweight concrete, green concrete (at least 3 months old), for producing a ductile adhesive bed (outdoors/ on heated screeds) and when fixing non-absorbent ceramics (fine stoneware), it is necessary to add CC 83.


Use CM 15 only in dry conditions and at temperatures of +5 °C to +30 °C.

PLEASE NOTE

CM 15 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 18 352, 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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Henkel AG & Co. KGaA Henkelstr. 67, D-40589 Düsseldorf	
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00027	
EN 12004:2007+A1:2012 C1FT	
Fast-setting cementitious adhesive with slip-resistance	
Reaction to fire	E
Release of dangerous substances	see MSDS
Bond strength, as:	
Initial tensile adhesion strength	≥ 0.5 N/mm²
Tensile adhesion strength after water immersion	≥ 0.5 N/mm²
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥ 0.5 N/mm²
Durability, for:	
Open time: tensile adhesion strength after not less than 30 min	≥ 0.5 N/mm²
Open time: tensile adhesion strength after 6 h	≥ 0.5 N/mm²
Slip	< 0.5 mm

TECHNICAL DATA

Base:	plastic-modified cement combination (chromate-reduced) with lightweight fillers and selected sands GISCODE ZP1
Bulk density:	approx. 1.16 kg/dm ³
Mixing ratio wall:	approx. 4.8 l of water for 18 kg of powder
Mixing ratio floor:	approx. 0.32 l of water for 1 kg of powder approx. 1 p/v of water to 2.5 p/v of powder
Maturing time:	5 minutes
Application Temperature:	+5°C to +30 °C
Application time:	approx. 45 minutes
Open time:	approx. 30 minutes
Ready for grouting:	after 3 hours
Temperature resistance:	-30 °C to +70 °C
Adhesive tension strength with all storage types:	≥ 0.5 N/mm ²

With the addition of CC 83:

Mixing ratio:	2 kg of CC 83 and approx. 3.8 l of water for 18 kg
Application time:	approx. 45 minutes
Open time:	approx. 25 minutes
Ready for grouting:	after approx. 4 hours
Adhesive tension strength with all storage types:	≥ 1.0 N/mm ²

Amount required (approx.):

Notch depth acc. to DIN 18 157: in mm	CM 15 in kg/m ²	CC 83 in kg/m ²
4	1.3	0.14
6	1.7	0.19
8	2.3	0.25
10	2.7	0.30
medium-bed	3.8	0.40

Shelf life:	Approx. 6 months if stored in a tightly sealed container, in cool and dry conditions. Use product in opened containers as soon as possible.
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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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