

CM 25

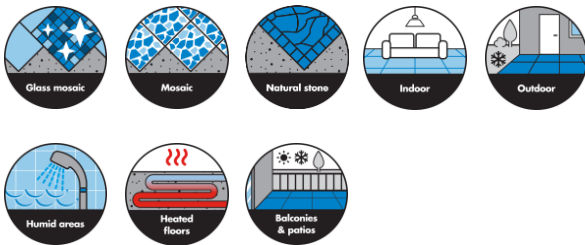


» GLASS MOSAIC AND NATURAL STONE TILE ADHESIVE«

White, flexible, thin-bed mortar for laying glass mosaic and natural stone

CHARACTERISTICS

- ▶ High instant tack
- ▶ For indoor and outdoor (class S1)
- ▶ Flexible consistency
- ▶ Very fine-grained structure
- ▶ Easy workability



SCOPE OF USE

CM 25 is used for bonding glass mosaic, glass tiles, ceramic tiles and slabs, fine stoneware and insulation boards as well as for the discoloration-proof fixing of bright and translucent marble and other natural stone slabs on critical substrates, using the thin- and medium bed method.

It is also suitable for fixing agglomerate slabs. Due to the deformation behavior of Agglo slabs, it is in each case necessary to carry out a suitability test prior to use.

CM 25 is used to ensure a flexible adhesive bed and to prevent squeezing stresses on critical substrates. For use on heated screeds, balconies, terraces and facades, especially on young precast concrete members (at least 3 months old).

Also, for repairing and levelling uneven surfaces prior to floor covering if the unevenness does not exceed approx. 10 mm. Especially recommended for laying glass mosaics where a uniform substrate color is to be produced.



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SUBSTRATE PREPARATION

CM 25 adheres to all solid, load-bearing, clean and dry substrates free of substances which may impair adhesion. Coatings of insufficient load-bearing strength must be removed.

Indoor use:

Use CT 17 / CN 94 to prime calcium sulphate screeds (mechanically roughen gypsum/ anhydrite screeds and free them from dust; residual moisture content < 0.5 weight-%, heated screeds < 0.3 weight-%), lightweight concrete, plasterboards and gypsum plasters (P IV a/b and PV; residual moisture < 1 weight-%), sandwich type plasterboards, fibrous plasterboards, chipboards (at least P5 - P7, thickness ≥ 22 mm) as well as all highly absorbent substrates. Allow the priming coat to dry for approx. 4 hours. Priming is not necessary on extruded polystyrene boards



Henkel AG & Co. KGaA Deutschland
Henkelstraße 67 · 40191 Düsseldorf
Internet: www.ceresit.com
E-mail: ceresit.com@henkel.com

(surface roughened and freed from dust), tile support elements, tile coverings, natural/artificial stone floors, firmly adhering coatings, mastic asphalt (GE 10 / GE15, roughened with sand, no industrial use). Thoroughly grind down paint coats (not chalking, firmly adhering) and free them from dust.

Outdoor and indoor use:

Plasters of mortar groups P II / P III (at least 28 days old), cement screeds (at least 28 days old, residual moisture < 2 weight-%; heated screeds < 1.8 weight-%) and concrete (at least 3 months old) can directly be covered with tiles.

APPLICATION

Mix CM 25 with clean, clear water until the mixture is completely free of lumps. Leave to mature for approx. 5 minutes and then stir again. If necessary, the mortar consistency can be adjusted with small amounts of water. Apply the mortar according to the recognized rules of the thin-bed method. Allow for a skin formation time of approx. 20 minutes. Use a notched spreader with a suitable notch depth so that the raised mortar is at least 65 %, depending on the format of the covering material used. Excess mortar, especially on indoor joint flanks, must be removed with a sponge while still fresh. Thanks to the fine mortar structure of CM 25, scraping of the joints is usually not necessary when laying glass mosaic and using a notched batten of 3 x 3 x 3 mm. In order to prevent the mortar ridges from showing through in the edge area, especially with glass tiles, we recommend using the buttering-floating method. Please make sure to also observe the tile manufacturers' laying instructions. Fully hardened material can only be removed mechanically. Natural stones should not be fixed using the spot application method. Grouting can be done after approx. 18 hours.

PLEASE NOTE

- ▶ CM 25 contains cement and produces an alkaline reaction with water. Therefore, protect eyes and skin. If contact occurs, rinse thoroughly with water. In case of contact with the eyes seek medical advice immediately.
- ▶ For further information on the application of this product please refer in particular to local guidelines and norms.
- ▶ Please use other Ceresit products when laying tiles in areas exposed to chemical sand on substrates other than those specified above. Observe the warnings-, safety- and waste advice given in the safety data sheet.

OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsmen on the **contact information** you will find on **the local Ceresit website**.

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The aforementioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed 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 and that the product itself is subject to local conditions such as amount of water and hardening. A product from another production site may differ.

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 willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

TECHNICAL DATA

Base:	cement combination with synthetic resin additive (chromate-reduced) and selected sands, thin-bed mortar acc. to EN 12004, C2 TE S1, white colour
Mixing ratio:	7.5 -8 l
Bulk density:	1.24 kg/dm ³
Maturing time:	5 minutes
Working time:	60 minutes
Application temperature:	+5 °C to +30 °C
Open time:	approx. 20 minutes
Correction time:	approx. 15 minutes, depending on substrate and covering material



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Slip:	<0.5 mm
Ready for grouting:	after approx. 18 hours
Temperature resistance:	-30 °C to +70 °C
Adhesive pull strength with all storage types:	≥ 1.0 N/mm ²

Consumption:

Notch depth acc. to mm	Amount required in kg/m ²
3	1.1
4	1.3
6	2.0
8	2.4
10	3.0

Colour: white

Shelf life: 12 month

The product is compliant with the EN 12004:2008 standard.



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