

CE 33

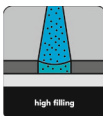
»COMFORT«

Fine, high quality grout mortar for non-absorbent tiles and joints of 1 to 8 mm width



CHARACTERISTICS

- Ideally smooth
- Easy to apply
- Extremely durable colors
- Long working time
- For non-absorbent tiles



SCOPE OF USE

Ceresit CE 33 mortar is used for grouting ceramic and natural stone tiles (non-sensitive to discoloration) on non-deformable substrates indoors and outdoors (walls). Can be used in all domestic areas, e.g. bathrooms, kitchens, etc. Not recommended for permanently wet (swimming pools) or chemically exposed areas. For grouting floor tiles and tiles laid outside it is generally recommended to use grey mortar.

Thanks to special Henkel MC Polymers CE 33 is comfortable to apply, has long pot life, easy and well filling of the joint and a very smooth surface. CE 33 complies with the EN 13888 standard for class CG2 A (enhanced grouting mortar with high abrasion-resistance).

SUBSTRATE PREPARATION

The tiles edges and surface should be free from dirt. Start grouting only when the tile adhesive is sufficiently set and dried. Please have look into the TDS of the tile adhesive. For grouting tiles susceptible to colour change (natural stones) we recommend doing tests before to check that CE 33 does not leave permanent marks on the tile surface or edges.



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APPLICATION

CE 33 should be poured into the measured amount of clean water and mixed until a homogenous mass without any lumps is reached. Wait 3 minutes (maturing time) before second mixing). Do not use rusty or dirty equipment or tools. Apply the grout with a grouting float, completely filling the joint. Allow sufficient time for the grout to set in the joint before starting to clean (finger test). This time can vary from 5 to more than 30 minutes and depends on the tile absorption properties, joint width and depth, as well as ambient and substrate temperature. After initial drying, the surplus of material should be removed with a clean, semi-dry sponge. When cleaning please do not use a dry cloth as this may cause a risk of discoloration by rubbing dried grout mortar into the damp grout. Washing the tiles, a second time with clean water on the next day supports a homogenous surface and mineral hydration (second rewetting). Tiles can be walked on after 24 hours from the application. Grout can be exposed to water after 24



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hours. Within the first 5 days after the application, only clean water without any cleaning agents should be used. Grout reaches its complete properties 7 days after application.

PLEASE NOTE

- ▶ Work should be done in dry conditions at an air and surface temperature from +5°C to +25°C.
- ▶ Excessive wiping of the joints can expose the aggregate and make the joint surface rough. A too high amount of water used in mixing causes cracking and lowers the grout's strength.
- ▶ Any dampened substrate, inadequate water dosing as well as heterogeneous drying conditions may cause discoloration. To avoid differences in colour use products from the same production batch (printed on the bag). Do not use cleaning agents in vivid colours. The actual shade of the joint may differ from the colour of the sticker on the package.
- ▶ Grouts freshly applied outside should be protected against rain, dew and temperature drops below +5°C until the grout is completely hardened and dried.
- ▶ The CE 33 powder is an irritant, and the cement content sets off an alkaline reaction with moisture. Therefore, protect your eyes and skin. In case of eye contact, rinse eyes thoroughly with water and consult a doctor. Only recycle totally empty packages.
- ▶ Dispose of hardened product residues as industrial waste similar to household waste or in the container for commercial/ construction site waste. Dispose of unhardened product residues as hazardous waste.
- ▶ For joints between tiles of 8 to 20 mm we recommend Ceresit CE 43 Grand'Elit mortar.
- ▶ For grouting marble and gres, Ceresit CE 40 Aquastatic is recommended.
- ▶ Watertightness and chemical resistance is achieved by applying Ceresit grouts: CE 79 Ultraepoxy Industrial and CE 89 Epoxy Premium. Expansion joints between tiles, joints between walls and floors and around sanitary equipment shall be filled with Ceresit CS 25 sanitary silicone. Dirt- and water-repellent impregnation agent Ceresit CT 10 can be used for additional protection of joints and ceramic cladding against staining.
- ▶ Please use a semi-wet sponge for cleaning the tile surfacing in order to avoid discoloration and shading.

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 afore mentioned 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.



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TECHNICAL DATA

Base: mixture of cements with mineral fillers and polymer modifying agent

Bulk density: approx. 1.1 kg/dm³

Mixing proportion*: 0.6 l water per 2 kg
1.5 l water per 5 kg

Initial maturing time: approx. 3 minutes

Pot life: up to 1,5 h

Application temperature: from +5 to +25 °C

Pedestrian traffic: after 24 h

Resistance to abrasion (according to the standard EN 13888):
≤ 1000 mm³

Flexural strength (according to the standard EN 13888):
– in the dry conditions: ≥ 2.5 MPa
– after freeze and thaw cycles: ≥ 2.5 MPa

Compressive strength (according to the standard EN 13888):
– in the dry conditions: ≥ 15 MPa
– after freeze and thaw cycles: ≥ 15 MPa

Shrinkage (according to the standard EN 13888):
≤ 3 mm/m

Water absorption (according to the standard EN 13888):
– after 30 min: ≤ 5 g
– after 240 min: ≤ 10 g

Temperature resistance: from –30 to +70 °C

Approximate consumption depending on tile size and joint width:

Tile dimensions (cm)	Width of grout amount (mm)	CE 33 [kg/m ²]
5 x 5	2	0.5
5 x 5	3	0.7
10 x 10	2	0.4
15 x 15	3	0.4
10 x 20	3	0.4

Shelf life/Storage:: Until 18 months since the date of
of production when stored on pallets in dry conditions and original undamaged plastic bag packaging.

The product complies with EN 13888 standard, and possesses the Declaration of Performance no 00477/ 01-07-2013.



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