

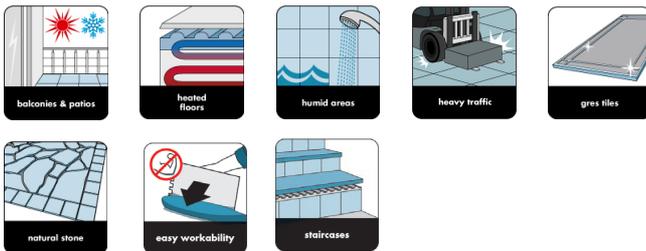
CE 43

»GRAND'ELIT«

Flexible, mechanical and water resistant grout mortar for joints of 1 to 20 mm width

CHARACTERISTICS

- ▶ Resistant to elevated chemical and mechanical loads
- ▶ For balconies, terraces, traffic areas, corridors, staircases, swimming pools
- ▶ Recommended for residential and industrial construction applications
- ▶ Resistant to dirt, fungi and moulds
- ▶ Resistant to water penetration
- ▶ Extremely fast colour
- ▶ Fibre-reinforced
- ▶ Contains trass – eliminates efflorescence
- ▶ Choice of consistency (floor, wall, masonry)

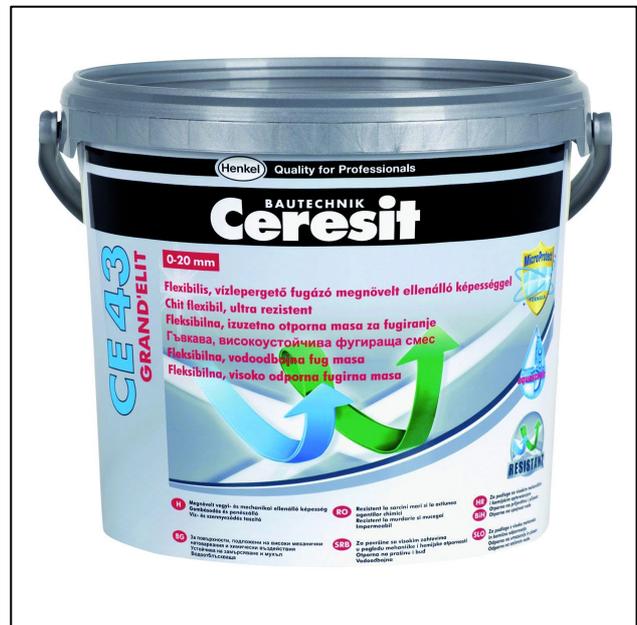


SCOPE OF USE

Ceresit CE 43 mortar is used for filling joints in gres, ceramic, glass and stone tiles (with exception of natural stone and marble that are sensitive to discolouration), on vertical and horizontal surfaces.

The MicroProtect formula of CE 43 grout makes it resistant to dirt, fungi and mould, and ensures a nice appearance of ceramic cladding. Thanks to a high level of joint hydrophobization (**aquastatic effect**), water droplets are kept on the surface in the form of beads and do not penetrate into the substrate. CE 43 mortar is compliant with the EN 13888:2010 standard for class CG2 WA (enhanced grouting mortar with high abrasion-resistance and reduced water absorption). The grout is therefore also suitable for applications in places exposed to water penetration, e.g. bathrooms, showers, kitchens.

CE 43 can be used in swimming pools for grouting



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basins 60 cm below the water level, in sanitary facilities, saunas, entrance halls. The grout is suitable for indoor and outdoor applications. It is particularly recommendable for installing tiles on deformable substrates: heated floors, chipboards and plasterboards, terraces, balconies.

Watertightness and chemical resistance is achieved by applying Ceresit grouts: CE 79 Ultraepoxy Industry and CE 89 Ultraepoxy Premium . These grouts shall also be used in pools with water acidity of pH = 4.5 or less, on swimming pool beaches and on wall skirtings up to 15 cm above the floor level in shower areas, as well as in the case of swimming pools where hypochlorite is added by hand. For grouting marble tiles, Ceresit CE 40 mortar is recommended. Expansion joints between tiles, at corner joints, floor-to-wall joints, and around sanitary equipment should be filled with Ceresit CS 25 MicroProtect sanitary silicone.

Use Ceresit CT 10 silicone impregnation agent for additional protection of joints and ceramic lining against dirt, mould, and fungi.

SUBSTRATE PREPARATION

Tile edges shall be cleaned of any stains. Grouting can start after the tile adhesive has hardened and dried. Prior to application, make sure that CE 43 does not leave permanent marks on the tile surface. Clean tile edges shall be rinsed with a wet sponge.

APPLICATION

CE 43 should be poured into a **precisely measured amount** of clean, cool water and stirred until it forms a homogeneous mixture, free of lumps. Neither rusty containers nor tools can be used. Wait 3 minutes and stir the material again. Depending on the amount of added water, the consistency achieved is suitable for grouting either floor or wall tiles or masonry.

1. Pointing floor tiles

Mortar with semi-liquid consistency should be applied onto the surface with a rubber scraper or a trowel. Remove excess material, then clean tile surfaces with a porous sponge, which should be rinsed and squeezed dry frequently. After slight drying, the whole surface should be cleaned with a smooth, wet sponge. Dry grout deposits can be removed using a dry cloth.

2. Pointing wall or floor tiles

Mortar with plastic consistency should be filled in the joints with a rubber trowel. After initial drying, tiles should be cleaned with a frequently rinsed and wrung out porous sponge. When joints dry too fast, they should be made slightly wet with a wet smooth sponge. Dry grout deposits can be removed using a dry cloth.

3. Pointing masonry

Mortar with semi-dry consistency should be filled in the joints between bricks, and then smoothed with a jointing trowel – a steel trowel, slightly narrower than the width of the joint. Firstly, vertical joints should be filled with a short trowel, then horizontal ones using a longer trowel. The application should be done from top to bottom. The material in excess should be removed with a brush in a dry manner.

Tiles can be walked on after 5 hours from the application. Grout can be exposed to water after 24 hours. Within the first 5 days after the application, only clean water without any cleaning agents should be used.

Grout reaches its complete hydrophobicity (resistance to water absorption) after 5 days from application.

PLEASE NOTE

- ▶ Fresh joints should be protected against rain, dew and temperature drops to below +5°C until joints are completely hardened and dry.
- ▶ Up to 12 months from the production date for grouts in bags and up to 24 months from the production date for grouts in plastic buckets if stored on pallets, in dry conditions, in original and undamaged packages.

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:	a mixture of cements with mineral fillers and polymer modifiers
Bulk density:	approx. 1.25 kg/dm ³
Mixing proportion*:	
Semi-fluid consistency:	approx. 6.75–7.0 l of water per 25 kg approx. 1.35–1.4 l of water per 5 kg
Plastic consistency:	approx. 6.0–6.25 l of water per 25 kg approx. 1.2–1.25 l of water per 5 kg



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Moist consistency	approx. 2.5–2.75 l of water per 25 kg approx. 0.5–0.55 l of water per 5 kg;
Initial maturing time:	approx. 3 min
Pot life:	up to 60 min
Application temperature:	from +5°C to +25°C
Foot traffic:	after 5 hours
High abrasion resistance (according to the EN 13888 standard):	≤ 1,000 mm ³
Bending tensile strength (according to EN 13888 standard):	
- in dry conditions:	≥ 2.5 MPa,
- after freezing and thawing cycles:	≥ 2.5 MPa,
Compressive strength (according to EN 13888 standard):	
- in dry conditions:	≥ 15 MPa,
- after freezing and thawing cycles:	≥ 15 MPa,
Shrinkage (according to the EN 13888 standard):	≤ 3 mm/m
Water absorption (according to the EN 13888 standard):	
- after 30 min:	≤ 2 g,
- after 240 min:	≤ 5 g,
Temperature resistance:	from -30°C to +70°C

Approximate consumption for typical tile thicknesses:

tile size (cm)	notch depth (mm)	amount of CE 43 [kg/m ²]
10 x 10	5	1.2
10 x 20	5	0.6
10 x 20	8	0.9
30 x 30	10	0.8

Product compliant with standard EN 13888:2010. It also has Building Research Institute technical approval AT-15-7027/2011 + Annex No 1 in the Ceresit Ceretherm Ceramic system as well as hygienic attestation for contact with drinking water from the National Institute of Public Health HK/W/0579/02/2011 and Factory Production Inspection Certificate No ITB – 0137/Z dated 10 February 2012



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