

NO LIMIT

CM 17 PRO



S1

Highly flexible fibre reinforced grout & adhesive “FLEX NO LIMIT”

CHARACTERISTICS

- ▶ every type and size of tiles - **NO LIMITS!**
- ▶ **AERO technology:** perfectly aerated, workable consistency
- ▶ **MICRO GEL:** extended correction time, bonding in higher temperatures
- ▶ **LOW DUST** - 75% less dust
- ▶ thickness up to 15 mm
- ▶ absorbs surface stress
- ▶ excellent spread under a tile
- ▶ adjustable consistency
- ▶ underfloor heating, bathrooms, balconies, terraces, swimming pools
- ▶ critical substrates (oriented strand boards, gypsum plasterboards, water insulation, tile-on-tile application)

RANGE OF APPLICATIONS

The technologically advanced CM 17 PRO grout & adhesive provides:

- The possibility to lay all types and sizes of tiles – **with no limitations**. Therefore you can glue tiles of any size on the surface of any area. Perfect spread and very high adhesion ensure the highest level of work safety.
- **AERO technology** – the additives, carefully selected and optimised for air content and rheological properties, ensure a unique, homogeneous microstructure and perfect working conditions. This translates into an excellent, smooth consistency, very workable and aerated texture which makes application of the adhesive very easy. Besides, you can adjust the thickness of the adhesive depending on the type of glued tiles and the surface on which they are being laid.
- **MICRO-GEL** – due to a special blend of biopolymers which form a gel texture, the grout & adhesive ensures a much better water retention throughout the adhesive, which translates into a longer correction time, even at high temperatures. The carefully designed mixture is ideal for permanent fixing of tiles with different absorbencies, on deformable substrates at



elevated temperatures. It is also highly adhesive and spreads well and easily under a tile.

- Carefully selected **Fibre Force** fibres form a dispersed reinforcement, which works perfectly with the wedge system.
- **The bed thickness can be up to 15 mm** – due to aeration, the micro-gel structure and a special combination of fibres, the entire layer of the adhesive has the same strength at every depth. This allows you to apply, in a single working operation, a thicker layer of the adhesive than in the case of typical thin-bed products, that is up to 15 mm, thus allowing you to level the surface and glue the tiles at the same time. Furthermore, thanks to the shrinkage-free drying and setting, glued tiles are stable both in the first setting phase and after complete drying. Fibres ensure excellent performance and technical parameters. The product exhibits high adhesive strength and flexibility which is of great importance when used on balconies, terraces or on top of underfloor heating.
- The ability to absorb surface stresses, thanks to the use of **Superabsorbents**. Superabsorbents make the grout & adhesive extremely resistant to heavy loads and minimises its cracking.

- 100% ecological cellulose fibres which ensure dust reduction.

APPLICATIONS EXAMPLES

Advanced technologies used in the grout & adhesive make it perfectly suitable for:

- indoor and outdoor application,
- balconies, terraces and swimming pools,
- vertical and horizontal surfaces,
- deformable substrates,
- levelling the substrate,
- installation of ceramic (glazed ceramic, terracotta, stoneware), cement and natural stone (stain resistant) tiles.

It can be used over:

- cement and cement-lime plasters, cement screeds, cement bases, concrete, cellular concrete
- primed gypsum or anhydrite substrates
- indoor and outdoor water insulation
- gypsum plasterboards
- solid and well adherent coatings
- anhydrite substrates
- oriented strand boards and fibreboards
- existing ceramic and stone tiles

CM17 PRO can be used in ecological and energy efficient buildings as well as in passive buildings.

SURFACE PREPARATION

The CM 17 PRO grout & adhesive can be used on load-bearing and dry substrates which are free from any adhesion-reducing substances (such as grease, bitumen, dust):

- concrete (not earlier than 3 months after casting, moisture content below 4%),
- cement screeds and plasters, cement-lime plasters (not earlier than 28 days after casting, moisture content below 4%),
- cellular concrete, dusted, primed with CT 17,
- gypsum plasterboards – primed with Ceresit CT 17,
- solid and well adherent coatings, sanded with sandpaper, dusted and primed with Ceresit CT 17,
- anhydrite (moisture content below 0.5%) and gypsum substrates (moisture content below 1%) – sanded, dusted and primed with Ceresit CT 17,
- oriented strand boards and wood particle boards ≥ 22 mm thick) – mechanically sanded and primed with Ceresit CN 94 or CT 19,
- existing ceramic and stone tiles (only indoors) – cleaned, degreased and primed with Ceresit CN 94.

Any existing dirt, old layers and paint coatings of low durability must be removed mechanically. Absorbent substrates should be primed with Ceresit CT 17 and allowed to dry for at least 2 hours. Any unevenness of the surface up to 15 mm can be levelled one day earlier with the same CM 17 PRO grout & adhesive. In the case of larger bumps or defects, use Ceresit CN products on the floors or the Ceresit CT 29 filler on the walls.

PERFORMANCE

Pour the contents of the package into a carefully measured amount of clean, cool water and mix with a drill mixer until a homogeneous mixture is obtained. Leave for 5 minutes then mix again. If necessary, add a small amount of water and mix again.

Use a notched trowel to spread the grout & adhesive over the surface. The size of the trowel notches depends on the size of the tiles. The correct size and spacing of the trowel notches prevent a typical ceramic tile, pressed onto the adhesive, from sliding down the vertical plane and allow the grout & adhesive to coat at least 65% of the underside surface of the tile. If the underside of your tiles is dirty or dusted, clean it carefully before proceeding to the gluing process. In the case of both indoor and outdoor application of CM 17 PRO, use a combined method – before spreading the grout & adhesive with a trowel over the substrate, using a smooth tool apply a thin layer of the grout & adhesive onto the underside surface of the tiles.

Do not soak tiles in water! Lay them on the grout & adhesive and press while the adhesive is still sticky to your hands. Always leave gaps between tiles! The right spacing between tiles depends on the size of tiles and the conditions in which they will be utilised. You can remove fresh grout & adhesive with water, whilst dried adhesive must be removed mechanically. Fill joints not earlier than after 12 hours, using the Ceresit grouts from the CE group. The joints between tiles, joints in wall corners, wall-floor joints as well as the spaces where the tiles reach bathroom fittings should be filled with the Ceresit CS 25 MicroProtect silicone.

RECOMMENDATIONS

The manufacturer recommends the use of appropriate products included in the solution system.

- For grouting inside and outside buildings, including terraces and balconies, use the Ceresit CE 40 Aquastatic or Ceresit CE 43 Grand'Elit grout. For substrates exposed to aggressive chemical or mechanical factors, use the Ceresit CE 43 Grand'Elit grout.
- For interior damp proofing, use the Ceresit CL 51 damp proofing coat and the Ceresit CL 62 sealing tape. For outdoor applications use the Ceresit CL 50 or Ceresit CR 166 sealant and Ceresit CL 152 tape.
- For additional protection of joints and ceramic cladding against stains and dirt, use the Ceresit CT 10 silicone sealant which renders the surface hydrophobic.

CAUTION

Perform the work in dry conditions, with air and surface temperature from +5°C to +30°C.

CM 17 PRO contains cement and its contact with water causes an alkaline reaction. Protect your skin and eyes. In case of contact with eyes, rinse thoroughly with plenty of water and seek medical advice.

When fixing stone tiles that are susceptible to staining, it is imperative that you perform your own application tests to make sure that the adhesive does not stain the tiles. Application tests should also be performed in the case of gluing any non-standard types of tiles.

Aside from these recommendations, always follow the rules of good working or available standards. In case of any doubts contact the technical department or perform your own application tests.

STORAGE

Up to 12 months from the date of manufacture, when stored on pallets, in dry conditions and in the original, undamaged packaging.

TECHNICAL DATA

EN 12004:2008 standard.

it holds the NIZP-PZH certificate No. B-BK-60210-0890/21 – the certificate is valid until 2024.07.26”

Bulk density: approx. 1.12 kg/dm³
Any technical advice can be obtained from the telephone numbers:

+48 800 120 241 9.0-9.75 l of water per 25 kg
+48 41 3710 124

Mixing proportions: 8.1-8.8 l of water per 22.5 kg

In addition to the information provided in this data sheet, the rules of the trade, guidelines of institutes and associations, relevant national and European standards, approval documents, health and safety regulations, etc. must be observed. The properties and technical characteristics listed above are based on practical experience and tests. Any properties and applications of materials outside the scope of this data sheet require our written consent. All data refer to a substrate, ambient and material temperature of +23°C and a relative humidity of 50%, unless otherwise stated. Under other climatic conditions, the specified parameters may vary.

Working time: up to 2 h

The information contained in this data sheet, in particular recommendations concerning the method and conditions of application and the scope of application and use of our products, is based on our professional experience. This technical sheet defines the scope of application of the material and the recommended method of executing the work, but it cannot replace the professional preparation of the contractor. The

Deformable adhesives: transverse deformation ≥ 2.0 mm and ≤ 1.0 mm in accordance with EN 12004:2007

Slip: We will not be liable for the above information or any verbal recommendation related thereto, except in cases of gross negligence or willful misconduct. This technical sheet replaces all previous versions applicable to this product.
+ A1:2012

Extended open time: tensile adhesion strength ≥ 0.5 N/mm², after not less than 30 min in accordance with EN 12004: 2007 + A1:2012

Temperature resistance: between -30°C and +70°C

Reaction to fire: Class: A2-s1,d0

Correction time: 20 min

Wheeled traffic: after 14 days

Water load allowed: after 14 days

Bond strength defined as: Initial adhesion strength: ≥ 1.0 N/mm²

Durability in conditioning/thermal ageing conditions defined as: Adhesion strength after heat ageing: ≥ 1.0 N/mm²

Durability under the impact of water/moisture defined as: Adhesion strength after water immersion: ≥ 1.0 N/mm²

Durability under the impact of freeze/thaw cycles defined as: Tensile adhesion strength after freeze/thaw cycles: ≥ 1.0 N/mm²

Approximate yield:	(refers to an even substrate, the coverage may vary depending on the evenness of the substrate and the type of tiles):		
	Tile length up to (cm)	Trowel notch size (mm)	Coverage (kg/m ²)
	10	4	1.5
	15	6	2.1
	25	8	2.7
	30	10	3.2
> 30	12	3.7	



