

## CM 17 - SUPER FLEXIBLE

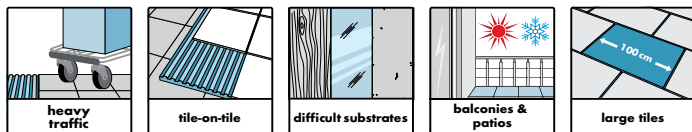
### HIGH PERFORMANCE, DEFORMABLE TILE ADHESIVE

For indoor and outdoor areas as well as critical substrates



#### CHARACTERISTICS

- ▶ High bond strength
- ▶ Super flexible – special polymers modified
- ▶ Recommended for applications over existing tiles, building boards and substrates subjected to minor movement
- ▶ Balancing substrate deformations on critical surfaces like balconies, terrace etc
- ▶ Suitable for installing large format natural and artificial tiles and stones
- ▶ For indoor and outdoor areas
- ▶ Suitable for wet areas and swimming pools
- ▶ Easy application
- ▶ Does not contain asbestos, chromated copper arsenate & lead



#### PRODUCT SCOPE

Ceresit CM 17 is a super flexible polymer modified cementitious tile adhesive that is used for the installation of:

- Ceramic tiles and slabs
- Earthenware, stoneware, porcelain and cotto tiles
- Natural and artificial stones (that are not susceptible to staining)
- Tile over tile
- Tiles with <math><0.3\%</math> water absorption

Ceresit CM 17 provides a flexible adhesive bed, prevents shear stresses, and is used for indoor and outdoor applications on:

- Walls, floors, dry substrates and calcium sulphate screeds\*
- Balconies, terraces and facades
- Difficult and critical substrates such as pre-existing tiles, gypsum, plasterboards, fibre-reinforced plasterboards\*, and other substrates subjected to tiny movement

\* Primed using a suitable primer from Henkel

Kindly contact your local Henkel technical advisor for further assistance.

#### APPLICABLE STANDARDS

Classified as C2TES1 in accordance with EN 12004

#### SUBSTRATE PREPARATION

Ceresit CM 17 adheres to all solid, load bearing, clean and dry substrates that are free of substances that reduce adhesion (grease, dirt and dust).



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#### Indoors & Outdoors

- Concrete (having residual moisture  $\leq 2\%$ )
- Cement screeds (without floor heating), plasters, cement and lime plasters (having residual moisture  $\leq 1.5\%$ )

#### Indoors

- Anhydrite substrates (without floor heating and having residual moisture  $< 0.5\%$ ) and gypsum substrates (having residual moisture  $< 1\%$ ) that are mechanically roughened, dust-free and primed\*
- Aerated concrete (that is dust-free and primed\*)

Substrates must not be wet. Cement and concrete screeds must be fully cured prior to application. Any existing dirt, loose debris and coatings shall be mechanically removed. Absorbent substrates should be primed\* and left to dry for at least 2 hours.

Surface unevenness of up to 5mm can be filled on the previous day using Ceresit CM 17 tile adhesive.

\* Primed using a suitable primer from Henkel.

#### APPLICATION

Pour Ceresit CM 17 into the precisely measured amount of clean cold water (as instructed in the technical data sheet) and mix using a slow speed drill until a homogenous mass without lumps is achieved. Leave for 2 minutes and then mix again. Apply the tile adhesive with a suitable notched trowel on the substrate. The size of the trowel's teeth depends on the size of the tile. For indoor use, the tile adhesive should cover at least 65% of the tile's backside. For outdoor uses, the back-buttering method

should be followed to cover at least 90% of the tile's backside. Place the tiles only during the open time of the adhesive. The width of the grouts should be the same and should depend on the size of the tile and exposure conditions. Excess tile adhesive can be removed with water, while hardened material can only be mechanically removed. Grouting on walls and floors can be done approximately after 8 hours and 24 hours respectively. Walkability is achieved after 24 hours. Expansion joints, corner joints and sanitary equipment surroundings shall be filled with a suitable sealant.

### PLEASE NOTE

Application should be carried out in dry conditions at an air and surface temperature ranging between 5°C to 40°C.

**PRODUCT SAFETY:** Contains cement. Strong alkaline reaction with moisture, so please protect your skin and eyes. In case of contact, wash immediately with plenty of water. Please seek medical attention in case of contact with eyes.

### OTHER INFORMATION

In the case of laying stone tiles that are prone to color changes, sample tests should be conducted to check that the tile adhesive does not cause fading of the tiles.

Kindly contact your local Henkel technical advisor for further assistance.

### SUPPLY

Ceresit CM 17

25kg paper bag

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted 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 at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

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 wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

### TECHNICAL DATA

Base	Mixture of cements with mineral fillers and modifier
Colour	White & Grey
Mix density, [g/cc]	1.6±0.05
Pot life @ 25°C, [hrs]	>2
Mixing ratio	5.75-6.25L water per 25kg
Application temperature, [°C]	5 to 40
Service temperature, [°C]	0 to 70
Walkability	approx. 24hrs @25°C
Grouting, [hrs]	after 12
Initial tensile adhesion strength, [N/mm <sup>2</sup> ]	≥1 [EN 12004]
Tensile adhesion strength after water immersion, [N/mm <sup>2</sup> ]	≥1 [EN 12004]
Tensile adhesion strength after heat ageing, [N/mm <sup>2</sup> ]	≥1 [EN 12004]
Extended open time tensile adhesion strength @ 30 minutes, [N/mm <sup>2</sup> ]	≥0.5 [EN 12004]
Slip, [mm]	≤0.5 [EN 12004]
Transverse deformation, [mm]	≥2.5 [EN 12004]
VOC content, [g/L]	<0.10 [ASTM D 3960]
Coverage	2-7kg/m <sup>2</sup> (consumption can vary depending on the evenness of the substrates, notch trowel sizes and type of tiles)
Shelf life	Up to 12 months from the production date when stored on pallets in covered & dry conditions and in original undamaged packages

All values given are subject to 5-10% tolerance