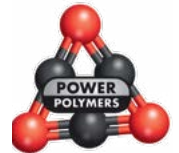


CM 11 - UNIVERSAL

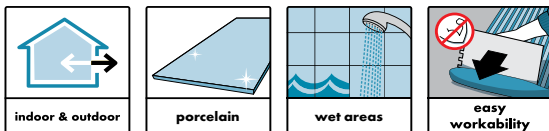
UNIVERSAL POLYMER MODIFIED CEMENTITIOUS TILE ADHESIVE

For indoor and outdoor application on floors and wall



CHARACTERISTICS

- ▶ Suitable for ceramic, vitrified, porcelain, mosaic, granite and sand stone tiles
- ▶ For indoor and outdoor areas
- ▶ For walls and floors
- ▶ Recommended for periodically wet areas, utility rooms, terraces and balconies
- ▶ Non-slip, perfect for walls
- ▶ Easy workability



PRODUCT SCOPE

Ceresit Ceresit CM 11 is a universal cementitious tile adhesive with very low emissions for indoor and outdoor areas to permanently install tiles on:

- Cement and cement-lime plasters, cement screeds and concrete substrates
- Light weight AAC and concrete blocks, and insulation materials like wood-cement boards and soundproofing panels*
- Gypsum and anhydrite substrates (inside)*
- Wet areas (with periodic water penetration) e.g. bathrooms, kitchens and toilets
- Utility rooms (e.g. cellars, storerooms, drying rooms, corridors, stairs, anterooms and living rooms)
- Balconies and terraces

* Primed using a suitable primer from Henkel

Kindly contact your local Henkel technical advisor for further assistance.

APPLICABLE STANDARDS

Tested according to EN 12004, ANSI A118.1 & ANSI A 118.4

SUBSTRATE PREPARATION

Ceresit CM 11 can be applied on even, load-bearing and compact substrates that are free of any substances that reduce adherence (grease, dirt and dust).

Indoors and outdoors:

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



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Indoors:

- Anhydrite substrates (without floor heating & having residual moisture below 0.5%) and gypsum substrates (having residual moisture below 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 should be removed mechanically. 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 11 tile adhesive.

* Primed using a suitable primer from Henkel.

APPLICATION

Pour Ceresit CM 11 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 obtained. 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 use, 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 colour 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.

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.

SUPPLY

Ceresit CM 11

25kg paper bag

TECHNICAL DATA

Base	Mixture of cements with mineral fillers and modifiers
Colour	Grey & White
Mix density, [g/cc]	1.9±0.05
Mixing proportion	5 to 5.5L water per 25kg bag
Pot life @ 25°C, [hr]	> 1
Open time, [min]	approx. 30
Application temperature, [°C]	5 to 40
Walkability	after 24hrs @ 25°C
Service temperature, [°C]	0 to 70
Initial tensile adhesion strength, [N/mm ²]	≥0.5 [EN 12004]
Tensile adhesion strength after water immersion, [N/mm ²]	≥0.5 [EN 12004]
Tensile adhesion strength after heat ageing, [N/mm ²]	≥0.5 [EN 12004]
Open time tensile adhesion strength @ 20 minutes, [N/mm ²]	≥0.5 [EN 12004]
Slip, [mm]	≤0.5 [EN 12004]
Open time tensile adhesion strength @ 20 minutes, [N/mm ²]	≥0.5 [ANSI A 118.1]
Glazed wall tile shear strength @7 days, [N/mm ²]	> 1.38 [ANSI A 118.1]
Porcelain mosaic tile shear strength @7 days, [N/mm ²]	> 1.03 [ANSI A 118.1]
Open time tensile adhesion strength @ 30 minutes, [N/mm ²]	≥0.5 [ANSI A 118.4]
Glazed wall tile shear strength @7 days, [N/mm ²]	>2.07 [ANSI A 118.4]
Porcelain mosaic tile shear strength @7 days, [N/mm ²]	> 1.38 [ANSI A 118.4]
Quarry tile shear strength @28 days, [N/mm ²]	> 1.03 [ANSI A 118.4]
VOC content, [g/L]	<0.10 [ASTM D 3960]
Coverage	2-7kg/m ² (consumption can vary depending on the evenness of the substrates, notch trowel sizes and type of tiles)
Shelf life/Storage	Approx. 12 months from production date, if stored on pallets in dry conditions and original undamaged packaging.

All values given are subject to 5-10% tolerance