

CT 177



Mosaic plaster grain 1.0-1.6 mm

Decorative thin-layer plaster for indoor and outdoor applications

CHARACTERISTICS

- ▶ rich colouristic palette
- ▶ high decorative value
- ▶ ready to use
- ▶ resistant to weather conditions
- ▶ resistant to abrasion
- ▶ resistant to damage
- ▶ easy in maintenance
- ▶ crack bridging on small cracks



SCOPE OF USE

Ceresit CT 177 plaster is used to perform protective and decorative layers in the plinth, basement or indoor areas with high loads operating. CT 177 can be applied on mineral substrates, concrete, traditional plaster, gypsum-plaster, reinforcing layer of thermal insulation systems, gypsum board, chipboard. For indoor and outdoor.

SUBSTRATE PREPARATION

CT 177 can be applied to smooth, carrying, colour homogenous, dry and clean substrates free from grease, bitumen, dust and other substances decreasing adhesion:

- cement plasters and lime-cement plasters (age above 28 days), concrete (age above 3 months, moisture \leq 4 %)
 - primed with the priming paint Ceresit CT 16,
- reinforced layers made of Ceresit ZU, CT 80, CT 82, CT 85, CT 100, CT 190, Thermo Universal mortars (age above 3 days), Ceresit CT 87 (age of 2 days), primed with the priming paint CT 16,
- gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with the agent Ceresit CT 17, and then with the paint CT 16,
- chipboards (thickness \geq 19 mm), gypsum cardboards and gypsum-fibre boards (only inside the buildings), fixed according to the recommendations of the board manufacturers, firstly primed with the agent CT 17, and then with CT 16,



CERESIT_C_CT177_TDS_1_0317

- strong paint coats (only inside the buildings), with good adhesion to the substrate, primed with CT 16, Uneven and damaged substrates should be first smoothed and repaired. In case of traditional plasters and concrete substrates, Ceresit CT 29 plaster filler can be used. The existing dirt, layers of low strength, as well as elastic, lime and adhesive paint coatings should be removed. Absorbent substrates should be primed with the agent CT 17, and then painted with CT 16 priming after minimum 2 hours. It is recommended to use the colour of the paint CT 16 similar to the colour of the mosaic plaster. CT 177 can be applied when the priming paint CT 16 becomes completely dry. The moisture coming from the substrate can cause the destruction of the plaster, therefore one should be assured that the adequate sealing layers have been made in the places endangered with constant moisture.

APPLICATION

The whole content of the container should be manually stirred. If the need appears, it is possible to adjust the product consistency to the application conditions by adding a small amount of clean

water (250 ml per 25 kg of plaster max.) and mixing again. Too much addition of water makes the application of the material impossible. Neither rusty containers nor tools can be used. CT 177 should be evenly applied on the substrate at the thickness of one and a half grain size by means of a steel long float held at the angle. The surface should be smoothed with the same tool before it becomes dry. It should not be strongly pressed to the substrate.

Do not sprinkle plaster with water! Do not form the structure!

Work should be done on one surface without breaks, keeping the same product consistency. If there is a need to stop working, the self-adhesive tape should be applied along the previously fixed line. Then plaster should be applied, structure formed, and tape torn off with the plaster remaining on it. After a break, the application should be continued from the fixed place. The edge of the previously applied plaster can be protected with self-adhesive tape. Tools and fresh plaster stains should be washed with water, and the hardened plaster remains can be mechanically removed.

PLEASE NOTE

Application should be performed in the ambient and substrate temperature ranging from +10 °C to +25 °C and the humidity below 80 %.

Until the product is completely hard should be protected against adverse weather conditions. Then scaffolding protection should be used. This product should not be mixed with other plasters, pigments, resins and binders.

Fresh after applying CT 177 plaster has milky colour, which disappears during drying. With long contact with water (eg. during heavy rain), „milky” effect may temporarily return, until the surface is dry again. Avoid using the plaster CT 177 in areas exposed to prolonged moisture.

The rooms in which the agent has been applied should be ventilated to eliminate smell before they are used. In case of contact

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 of the German Standards Institute (DIN). 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 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.

with eyes, they should be rinsed with water and the general practitioner should be consulted. This product should be stored out of reach of children. The performance characteristics are given in the text corresponding to the product Declaration of Performance.

OTHER INFORMATION

The plaster should not be applied on highly sunny walls, and should be protected against too fast drying. Until it dries completely, it should be protected against rain. It is recommended to use scaffolding protection.

One surface should be plastered with the material of the same production badge number printed on each container. The opened container should be carefully closed and its content used as soon as possible.

PACKAGING

Plastic containers of 25 kg.

TECHNICAL DATA

Base:	water dispersion of synthetic resins with colourful mineral fillers
Density:	approx. 1.75 kg/dm ³
Temperature of application:	from +10 °C to +25 °C
Drying time:	approx. 30 min.
Resistance to rain:	after approx. 3 days
Water vapour permeability:	V 2 acc. EN 15824:2010
Water absorption:	W 3 acc. EN 15824:2010
Adhesion:	0.6 MPa acc. EN 15824:2010
Thermal conductivity:	λ 0.61 W/(m*K) acc. EN 15824:2010
Impact resistance:	cat. I acc. ETAG 004
Water absorption after 24 h:	< 0.5 kg/m ² acc. ETAG 004
Water vapour permeability:	S _d ≤ 1.0 m acc. ETAG 004
Adhesion between layers after ageing:	≥ 0.08 MPa acc ETAG 004

Fire classification acc. EN 13501-1:

B-s1, d0 in:

Ceresit Ceretherm Visage

B-s2; d0 in:

Ceresit Ceretherm Popular, Ceresit Ceretherm Classic,

Ceresit Ceretherm Premium

Assumed consumption:

quartz gravels 1.0-1.6 mm approx. 4.0 kg/m²

Shelf life/ Storage: Up to 12 months since the production date when stored in dry cool conditions and in original undamaged packages.

Protect against frost! Protect against storage in high temperatures and direct insolation!

Storage and transport of the material at high temperatures may start the process of bonding.

- European Technical Approval (ETA) in systems:

Ceresit Ceretherm System	Popular	Classic	Premium	Visage	Wool Classic
ETA	08/0309	09/0014	08/0308	11/0395	09/0026
Certificate	1488-CPR-0382/Z	1488-CPR-0439/Z	1488-CPR-0363/Z	1488-CPR-0370/Z	1488-CPR-0440/Z
DoP	00426	00420	00428	00431	00424

- Technical Approvals in Systems:

Ceresit Ceretherm System	Popular	Classic
TA	15-6894/2013 + Annexes	15-4397/2013 + Annexes
Certificate	ITB-0068/Z	ITB-0109/Z
DoC	00442	00440

Product complies with EN 15824:2010. External plasters on organic binders. Declaration of Performance No 00469/01-07-2016.