

CT 177



Mosaic plaster, grain size 1.0-1.6 mm

Decorative thin-layer plaster for indoor and outdoor use

CHARACTERISTICS

- ▶ rich colour palette, high
- ▶ decorative values, low
- ▶ absorbing
- ▶ resistant to atmospheric conditions,
- ▶ resistant to scrubbing
- ▶ with high impact strength, easy to
- ▶ keep clean, bridging small scratches
- ▶ and cracks

APPLICATION

Ceresit CT 177 plaster is used to produce decorative, colourful plaster renderings on traditional plasters, concrete and gypsum substrates, as well as on chipboards, plasterboards, etc. The binder here are transparent resins and the fillers are coloured quartz grits with a grain size of 1.0-1.6 mm. The material is designed to be applied and smoothed with a metal trowel. After setting, a colourful rendering is achieved. The characteristics of the material allow to bridge the hair-like cracks existing in the substrate. The CT 177 is recommended for use on walls exposed to abrasion and dirt inside buildings, e.g. at entrances, in corridors and on staircases. Outside buildings, the CT 177 is recommended for use on surfaces which become quickly dirty: on plinths, balustrades, window and door jambs. For the sake of durability of the façade, in order to prevent excessive heating of the façade surface, it is recommended to use the CT 177 plaster with a light reflection coefficient HBW ≥ 20 . In the case of using plaster with an HBW below 20, it is recommended to consult the Ceresit technical department individually in order to select the appropriate thermal insulation system. In the case of intense, dark colours, the use of the CT 177 as a facade layer in the Ceresit Ceretherm building insulation system should be limited to small areas, e.g. plinths or architectural details.

SURFACE PREPARATION

The CT 177 can be used on even, load-bearing, colour-uniform, dry and free from substances that reduce adhesion (such as grease, bitumen, dust) substrates:

- cement and cement-lime plasters (over 28 days old), concrete (over 3 months old, moisture content $\leq 4\%$) – primed with Ceresit CT 16 quartz primer,
- layers reinforced with glass fibre mesh, made of Ceresit ZU, CT 85, CT 190, CT 100 mortar (more than 3 days old) or



CT 87 mortars (over 2 days old) – primed with CT 16 quartz primer,

- gypsum substrates (only inside buildings) with a moisture content of less than 1% – first primed with Ceresit CT 17 and then with CT 16 quartz primer,
- chipboards (thickness > 19 mm), gypsum plaster and fibre gypsum boards: only inside buildings, fixed according to the recommendations of board manufacturers – first primed with CT 17 and then with CT 16 quartz primer,
- paint coatings (only inside buildings) – strong, with good adhesion, primed with CT 16 quartz primer.

The substrate must be load-bearing, dry, clean and free of agents that impair the adhesion of subsequent layers. Unevenness and cavities in the mineral substrate should be levelled or filled in, e.g. with CT 29 putty. Old low-strength paint coatings, wallpaper or any dirt should be removed. Absorbing substrates should be primed with CT 17, and after a minimum of 2 hours – with CT 16 quartz primer. It is recommended to use CT 16 in a colour similar to the colour of the mosaic plaster. The CT 177 can be applied after the CT 16 quartz primer has completely dried. The pressure of moisture from the side of the substrate can cause damage to the rendering, so it is necessary to make sure that appropriate sealing layers have been made in rooms (places) exposed to permanent moisture.

PERFORMANCE

Immediately before use, stir the contents of the container with a slow-speed drill with a basket mixer until a homogeneous consistency is obtained. Too long and intensive stirring can cause discolouration of the aggregate and aeration of the mass. If necessary, you can add a small amount of clean water (not exceeding 250 ml per 25 kg of plaster) and stir again. Too much water additive makes it impossible to use the material. Apply the plaster mass with a stainless steel trowel evenly in a layer with a thickness of min. 1.5 times coarser than the grain thickness. Apply successive layers using the "wet-on-wet" method and smooth out. **Do not sprinkle the plaster with water! Do not trowel!**

Work on one level without processing breaks, maintaining the same consistency of the material. If the work has to be interrupted, stick a self-adhesive tape along the defined line, apply the mass, smooth it out and then tear off the tape with the remains of the fresh material. After a break, continue work from the defined area. The edge of the plaster applied previously can be secured with a self-adhesive tape.

Wash tools and fresh contamination with water; remove cured plaster residues mechanically.

CAUTION

Perform works in dry conditions with an air and substrate temperature of +10°C to +25°C and a relative humidity of less than 80%. Protect the plaster rendering from adverse weather conditions by using protective nets or tarpaulins until it has completely hardened. Do not mix the product with other resins, plasters, dyes or binders. Freshly after application, the CT 177 plaster has a milky colour, which disappears as it dries. In the case of prolonged contact with water (e.g. during heavy rainfall), "milking" may temporarily return until the surface dries again. Avoid using the CT 177 plaster in areas exposed to long-lasting moisture. During and after application in closed rooms, ensure optimum air ventilation until the odour disappears. Protect eyes and skin. Keep the product out of reach of children. Product performance is reported in the corresponding Declaration of Performance.

RECOMMENDATIONS

Do not apply the mass on walls exposed to strong sunlight, protect the completed rendering against drying too quickly. Protect the plaster from rainfall until it has completely hardened. Use then covers on scaffolding and building plinths. Use on a single plane material with the same production batch number. Close the packaging once opened tightly and use up the contents as soon as possible.

STORAGE

Up to 12 months from the production date when stored in cool conditions and in the original, undamaged packaging.

Protect from frost! Absolutely protect against storage at high temperatures and direct sunlight.

Storage and transport of the material at high temperatures can initiate the process of setting the material.

PACK SIZE

25 and 10 kg bucket.

TECHNICAL DATA

Base:	aqueous synthetic resin dispersion with coloured mineral fillers
Density:	approx. 1.75 kg/dm ³
Application temperature:	between +10°C and +25°C
Preliminary drying time:	approx. 30 min.
Water absorption after 24 hours:	< 0.5 kg/m ² acc. to ETAG 004
Adhesion:	0.6 MPa acc. to EN 15824
Interlayer adhesion after ageing:	≥ 0.08 MPa acc. to ETAG 004
Resistance to rain:	after approx. 3 days
Water absorption:	category W3, w≤0.1 [kg/m ² h ^{0.5}] - acc. to PN-EN 15824
Water vapour permeability:	-S _d ≤ 1.0 m acc. to ETAG 004 category V2, 0.14 ≤ S _d < 1.4 m - acc. to PN-EN 15824
Heat transfer coefficient:	λ=0.61W/(m*K) acc. to PN-EN 15824
Resistance to impact:	category I acc. to ETAG 004
Reaction to fire:	- class B-s1, d0 in the system: Ceresit Ceretherm Visage - class B-s2; d0 in systems: Ceresit Ceretherm Popular Ceresit Ceretherm Classic Ceresit Ceretherm Premium acc. to PN-EN 13501-1
Approximate yield:	quartz grits 1.0-1.6 mm approx. 4.0 kg/m ²

The product has the following reference documents:

- European Technical Assessment ETA in system:

System Ceresit Ceretherm	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
DWU	00426	00420	00428	00431	00424

- National Technical Assessment in systems:

System Ceresit Ceretherm	Reno
KOT	ITB-KOT-2018/0472 1st edition
Certificate	020-UJWB-0895/Z
KDWU	00444

- Product compliant with the PN-EN 15824. Outdoor plasters on organic binders. Declaration of Performance No. 00469.

Any technical advice can be obtained from the telephone numbers:

+48 800 120 241

+48 41 3710124.

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 refers to a substrate, ambient and material temperature of +23°C and a relative humidity of 50%, unless otherwise stated. In other climatic conditions, the specified parameters may vary.

The information contained in this data sheet, in particular recommendations concerning the method and conditions of application, as well as 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 manufacturer guarantees the quality of the product, but has no control over the conditions and method of its use. Given that the conditions in which the products are used may change, it is recommended to perform your own tests in case of any doubts.

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