CT 77

Silicone-acrylic Mosaic plaster, grain 1.0-1.6 mm or 1.4-2.0 mm

Decorative thin-layer plaster for indoor and outdoor applications

CHARACTERISTICS

- resistant to weather conditions
- resistant to damage and abrasion
- low water absorption (pearling effect)
- resistant to dirt, easy to keep clean
- BioProtect formula - resistant to fungi, mould and algae
- crack bridging on small cracks
- available in 48 colours from new Ceresit Mosaics of the World palette

CERESIT C_CT77_TDS_1_0819

SCOPE OF USE

Ceresit CT 77 is used for applying decorative colourful plasters to traditional plasters, concrete substrates, gypsum substrates and chipboards, gypsum cardboards, etc. Transparent acrylic-silicone resins are the binder for the coloured quartz gravels size 1.0-1.6 or 1.4 - 2.0 mm. This material is designed for applying with a metal long float. When it is set, the colourful plaster is obtained. The properties of the material allow for bridging the existing scratches in the substrate. CT 77 is especially recommended to be applied to the exposed to abrasion walls inside the buildings, e.g. at the entrance, corridors, staircases. Outside the buildings, CT 77 is recommended on the substrates easy to get dirty: on the pedestals, railings, door and window frames. In case of intense dark colours, the application of CT 77 as the facade layer within Ceresit Ceretherm Systems should be limited to small areas, e.g. pedestals or architectural details. BioProtect formula gives durable protection from biological contamination, e.g. fungi, mould and algae.

SUBSTRATE PREPARATION

CT 77 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 ≤ 4 %) - primed with the paint Ceresit CT 16,
– armoured layers made of Ceresit ZU, CT 85, CT 100, CT 190 mortar (age above 3 days) or CT 87 mortar (age above 2 days), primed with priming paint CT 16,
– armoured layers made of CT 87 (age of 2 days), primed with CT 16
– gypsum substrates (only inside the buildings) with moisture below 1 %, firstly primed with the agent Ceresit CT 17, and then with CT 16,
– chipboards (thickness ≥ 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 – after minimum 2 hours - with CT 16,
– strong paint coats (only inside the buildings), with good adhesion to the substrate, primed with CT 16,
– aerated concrete substrates - primed with CT 16 twice.

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 paint after minimum 2 hours. It is recommended to use the colour of CT 16 similar to the colour of the mosaic plaster. CT 77 can be applied when the priming paint CT 16 is 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 rooms (places) endangered with constant moisture.

APPLICATION

Immediately before use, mix the content of the container with low speed drill with a basket mixer until uniform consistency. Too long and intensive mixing may cause discoloration and aeration of the mass. If the need appears add small amount of clean water (no more than 1%) and mix again. Too big addition of water prevents the use of the material. CT 77 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 smoothened 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 %. The pressure from the surface may cause the damage of the plaster. Until the product is completely hard should be protected against rain with scaffolding protection. Fresh plaster CT 77 after applying is milky. With long contact with water (eg. during heavy rain), „milky" effect may temporarily return, until the surface is dry again. Avoid using CT 77 in areas exposed to prolonged moisture. This product should not be mixed with other plasters, pigments, resins and binders. The rooms in which the agent has been applied should be ventilated to eliminate the smell. In case of contact 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.

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.

OTHER INFORMATION

The plaster should not be applied on walls exposed to solar radiation, 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. Due to the plaster mineral fillers that can cause differences in the colour of plaster, 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 (acrylic-silicone) with colourful mineral fillers
Density: quartz gravels	approx. 1.65 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:	cat. V2, 0,14≤S_d<1,4 m - acc. EN 15824
Water absorption:	cat. W3, w≤0,1 [kg/m^{2}h^{0,5}] - acc. EN 15824
Adhesion:	0.6 MPa acc. EN 15824
Thermal conductivity:	λ=0.61W/(m*K) acc. EN 15824
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
Assumed consumption: quartz gravels 1.0-1.6mm	approx. 4.0 kg/m^2

Fire classification acc. EN 13501-1:
B-s1, d0 in:
Ceresit Ceretherm Popular, Ceresit Ceretherm Premium, Ceresit Ceretherm Visage
B-s2, d0 in:
Ceresit Ceretherm Impactum, Ceresit Ceretherm Classic, Ceresit Ceretherm Wool Classic, Ceresit Ceretherm Wool Premium

Shelf life/ Storage: Up to 12 months since the production date when stored in dry cool conditions and in original undamaged packages. **Protect from frost! Absolutely protected from storage at high temperatures and direct sunlight. Storage and transport material at high temperatures may initiate a process of tying material.**

This product possesses documents of reference:
- Irish Agrement Board Certificate No. 09/0340
- European Technical Assessment (ETA) in systems:

Ceresit Ceretherm System	Popular	Classic	Premium	Visage	Impactum	Wool Classic	Wool Premium
ETA	08/0309	09/0014	08/0308	11/0395	13/0086	09/0026	09/0037
Certificate	1488-CPR-0382/Z	1488-CPR-0439/Z	1488-CPR-0363/Z	148-CPR-0370/Z	1488-CPR-0407/Z	1488-CPR-0440/Z	1488-CPR-0375/Z
DoP	00426	00420	00428	00431	00436	00424	00430

- National Technical Assessment in systems:

Ceresit Ceretherm System	Reno
NTA	ITB-KOT-2018/0472 wydanie 1
Certificate	020-UWB-0895/Z
NDoC	00444

Product complies with EN 15824 external render based on organic binder. Declaration of Performance No 00266.

Henkel

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