

CT 174



Silicate-silicone plaster, stone like structure, grain 1.5 mm or 2.0 mm

Decorative thin-layer plaster for indoor and outdoor applications

CHARACTERISTICS

- ▶ vapour permeable (breathing)
- ▶ low absorbance
- ▶ resistant to damage
- ▶ high resistant to weather conditions
- ▶ BioProtect formula – resistant to the development of fungus, algae and mould
- ▶ stability of colour
- ▶ possibility of the machine application*
- ▶ available in full palette of Ceresit Colours of Nature®

SCOPE OF USE

Ceresit CT 174 combines good points of silicate plaster and silicone plaster. It is vapour permeable, of low absorbability and dirt resistant. CT 174 is used for making thin-layer plasters on concrete substrates, traditional plasters, gypsum substrates and chipboards, gypsum cardboards, etc. We recommend the application of the plaster CT 174 as façade plaster within complex system of warming walls of outside buildings Ceresit Ceretherm ETICS (External Thermal Insulation Composite Systems) with the application of EPS-boards (Expanded Polystyrene boards) and mineral wool. In case of intensive dark colours, the material application should be limited to small areas, e.g. architectural details. Plaster CT 174 is protected from biological paralyzes, e.g. fungus, mould and algae.

SURFACE PREPARATION

CT 174 can be applied on smooth, carrying, dry and clean substrates free from grease, bitumen, dust and other substances decreasing adhesion:

- cement plasters and lime-cement plasters (age above 28 days, moisture ≤ 4%), concrete (age above 3 months, moisture ≤ 4%) - primed with the paint Ceresit CT 16,
- armoured layers made of Ceresit CT 85, ZU, CT 190 mortar (age above 3 days), primed with the paint CT 16 and CT 87 (age above 2 days),
- 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, gypsum-fibre boards and gypsum cardboards (only inside the buildings), fixed according to the recommendations of the board manufacturers - firstly primed with the agent CT 17, and then with the paint CT 16,
- strong paint coats (only inside the buildings) - strong, with good adhesion to the substrate, primed with the paint 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 paint after minimum 2 hours. It is recommended to use the colour of the paint CT 16 similar to the colour of the plaster. CT 174 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 rooms (places) endangered with constant moisture.

* Pump warm, nozzle size 6-10 mm (depends on a grain size), delivery rate c.a. 8-10 l/min., working pressure up to 40 bar, (e.g. Wagner PC 15) - final structure of plasters could be different from applying manually.

APPLICATION

The whole content of the container should be carefully 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 and mixing again. Neither rusty containers nor tools can be used. CT 174 should be evenly applied on the substrate at the thickness of the grain by means of a steel long float held at the angle. Then, it should be given homogenous structure with round movements by means of a plastic long float flatly held to achieve the appearance densely laid out aggregate grains structure.

Do not sprinkle plaster with water!

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. Plaster renovation should be done by painting with Ceresit CT 54 silicate paint as well as Ceresit CT 48 and CT49 silicone paint.

PLEASE NOTE

Application should be performed in the ambient and substrate temperature ranging from +5°C to +25°C and the humidity below 80%. All the data refer to the temperature of +20°C and relative humidity of 60%. Faster or slower drying of this plaster may occur in different conditions.

This product should not be mixed with other plasters, pigments, resins and binders. The rooms where the material has been applied should be aired until the odour disappears and before they are used. 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.

OTHER INFORMATION

The plaster should not be applied on walls exposed on solar radiation to avoid 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. This technical data sheet determines the scope of application of the material and the way of conducting the work, however, it cannot replace the professional preparation of the contractor. Apart from the data provided, the application should be done in compliance with the construction and industrial safety regulations.

The manufacturer guarantees the quality of the product, however, he does not have any influence on the condition and the way of application. In case of any doubts, individual application trials should be conducted. The previously issued technical data sheets become invalid with the issue of this technical data sheet.



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STORAGE

Up to 12 months since the production date when stored on pallets in dry cool conditions and in original undamaged packages.

Protect against frost!

PACKAGING

Plastic containers of 25 kg.

TECHNICAL DATA

Base: water dispersion of synthetic resins with mineral and pigment fillers

Density: 1,8 kg/dm³

Temperature of application: from +5°C to +25°C

Open time: approx. 15 min

Resistant to rain: after approx. 24 hours

Impact resistance: cat. II

Fire classification:

B-s1, d0 in: Ceresit Ceretherm Popular
Ceresit Ceretherm Classic
Ceresit Ceretherm Express

Assumed consumption:

CT 174 grain 1.5 mm approx. 2.5 kg/m²
CT 174 grain 2.0 mm from 3.4 to 3.7 kg/m²

This product possesses:

- European Technical Approval (ETA) in systems:

Ceresit Ceretherm System	Popular	Popular (E)	Classic	Classic (R)	Classic (B)	Classic (S)	Classic (E)	Premium	Premium (B)
ETA	08/0309	10/0229	09/0014	09/0095	09/0097	09/0096	10/0228	08/0308	09/0137
Certificate	1488-CPD-0102/W	1488-CPD-0199/W	1488-CPD-0104/W	1488-CPD-0108/W	1488-CPD-0107/W	1488-CPD-0110/W	1488-CPD-0200/W	1488-CPD-0103/W	1488-CPD-0109/W
DoC: Ceresit Ceretherm	WE-CC Popular 2/PL 15.02.2012	WE-CC Popular 2/EE 15.02.2012	WE-CC Classic 2/PL 15.02.2012	WE-CC Classic 2/RO 15.02.2012	WE-CC Classic 2/BG 15.02.2012	WE-CC Classic 2/RS 15.02.2012	WE-CC Classic 2/EE 15.02.2012	WE-CC Premium 2/PL 15.02.2012	WE-CC Premium 2/BG 15.02.2012

Ceresit Ceretherm Wool System	Classic	Classic (R)	Premium
ETA	09/0026	09/0360	09/0037
Certificate	1488-CPD-0127/W	1488-CPD-0128/W	1488-CPD-0126/W
DoC: Ceresit Ceretherm Wool	WE-CC W Classic 3/PL 02.07.2012	WE-CC Classic 2/RO 15.02.2012	WE-CC W Premium 2/PL 15.02.2012

- Technical Approvals in Systems:

Ceresit Ceretherm System	Popular	Classic	Premium	Express	Reno	Wool Classic	Wool Premium
TA	15-6894 /2008 + Annex No. 2	15-4397 /2008 + Annex No. 2	15-6986 /2008 + Annex No. 2	15-7152 /2010 + Annex No. 1	15-8077 /2009 + Annex No. 1 and 2	15-3717 /2008	15-7099 /2008
Certificate	ITB-0068/Z	ITB-0109/Z	ITB-0108/Z	ITB-0173/Z	ITB-0355/Z	ITB-0110/Z	ITB-0159/Z
DoC: Ceresit Ceretherm	Popular /2/12/ 15.02.2012	Classic /2/12/ 15.02.2012	Premium /2/12/ 15.02.2012	Express /3/12/ 15.02.2012	Reno /3/12/ 15.02.2012	Wool Classic /1/09/ 02.02.2009	Wool Premium /1/09/ 02.02.2009