

# CT 48

## Silicone paint



**Hydrophobic, vapour permeable paint for buildings' façades and interiors**

### CHARACTERISTICS

- ▶ low absorbability
- ▶ vapour permeable (breathable)
- ▶ resistant to dirt
- ▶ durable
- ▶ highly resistant to weather conditions and UV resistant
- ▶ BioProtect formula – resistant to the development of fungus, algae and mould
- ▶ available in full palette of Ceresit Colours of Nature®

### SCOPE OF USE

Ceresit CT 48 is used for protecting façades, concrete constructions, interiors. It can be applied on the mineral substrates (concrete, cement plasters, lime-cement plasters and lime plasters). This paint can be used for painting Ceresit: CT 34, CT 35 and CT 137 mineral plasters, Ceresit: CT 60, CT 63, CT 64 acrylic plasters, Ceresit: CT 72, CT 73 silicate plasters, Ceresit CT 174, CT 175 silicate-silicone plasters as well as silicone plasters Ceresit: CT 74, CT 75 applied on traditional substrates and within Ceresit ETICS (External Thermal Insulation Composite Systems) with the application of EPS-boards (Expanded Polystyrene boards). The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates an efficient protection against the substrate moisture and humidity. The binder used in the paint CT 48 causes pearl like effect of water after wetting the coat. It is highly recommended to use CT 48 in historical objects, on the renovation and aerated plasters as well as on all the surfaces where aesthetic qualities and duration of the coating is required. The façades covered with the paint CT 48 can be washed with washing devices operating under low pressure. The exposure of the façade to the sun causes dangerous tensions, therefore dark colours should be used only on small areas, e.g. architectural details. BioProtect formula is effective and durable protection of facade form biological parasites, e.g. fungus, mould and algae. Due to special capsules with biocide agent, releasing of substances is under control and ensures long lasting effect.



### SURFACE PREPARATION

The paint CT 48 may be applied on carrying, smooth, dry and clean substrates (free from any substances that decrease adhesion such as grease, bitumen, dust):

- concrete (age over 28 days)
- traditional cement plasters, lime-cement plasters and lime plasters (age over 14 days),
- thin-layer mineral and mineral-polymer plasters (age over 7 days),
- thin-layer acrylic and silicone plasters (age over 3 days),
- thin-layer silicate plasters (age over 5 days),
- gypsum substrates (only inside the buildings) with the humidity below 1%, firstly primed with Ceresit CT 17,
- gypsum cardboards, gypsum-fibre boards (only inside the buildings), fixed according to the recommendations of the board manufactures, firstly primed with CT 17,
- strong paint coats with good adhesion to the substrate.

Firstly uneven and damaged substrates should be repaired. Plaster filler Ceresit CT 29 can be used for repairs. It is recommended to check the strength of the existing mineral layers.

The existing dirt, layers of low strength, lime and adhesive paint coatings as well as the remainders of wall paper or glues should be completely removed. It is recommended to use washing devices. After being washed with water, the substrate should dry.

## APPLICATION

Before the paint application, the content of the container should be carefully stirred by means of the drill with a mixer for about 2 minutes. Usually it is sufficient to paint twice. Between the application of the subsequent layers at least 12- to 24-hour technological breaks should be maintained. CT 48 should be applied by means of a brush, roller or a sprinkling device. It is important to apply the paint evenly. Application with spray machine using pressure machines, nozzle e.g. 517, pressure 200-220 bar (Wagner PS 22). If there is such a need, it is possible to add not more than 5% of water and stir carefully. Neither rusty containers nor tools should be used. Work on one surface should be carried on without any breaks using the paint of the same badge number printed on each packaging or the content of containers with different badge numbers should be mixed together. The area not to be painted, e.g. windows, doors should be protected (e.g. with foil). Bushes, other plants, etc. should be protected as well. Any stains should be immediately rinsed with water. Tools should be washed carefully with water directly after being used.

## PLEASE NOTE

Application should be performed in dry conditions with 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 product may occur in different conditions. The paint may cause decolouration impossible to be removed on glass, ceramic, wooden, metal and stone surfaces, therefore all the elements in contact with CT 48 should be protected. Skin and eyes should be protected. Protective gloves and glasses should be worn while applying the paint. Stains should be carefully rinsed with water. 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

This paint should not be applied on strongly sunny surfaces. This product should not be mixed with other paints, pigments or binders. The façade should be protected against rain until the paint dries completely. It is recommended to use scaffolding protection. The opened container should be carefully closed and its content should be 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.

## STORAGE

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

**Protect against frost!**

## PACKAGING

Plastic containers of 3,5 and 15 l.

## TECHNICAL DATA

Base:	modified silicone and acrylic resins with fillers and pigments
Density:	approx. 1.45 kg/dm <sup>3</sup>
Temperature of application:	from +5°C to +25°C
Resistance to rain:	after approx. 3 h
Anticipated consumption:	depending on the smoothness and absorption of the substrate, on average approx. 0.3 l/m <sup>2</sup> with two coatings
Resistance to scrubbing acc. PN-C-81913:	>5000 cycles the layer
Vapour permeability acc. EN 1062-1:	Sd < 0,1m
Water permeability acc. EN 1062-1:	W2
Shine acc. EN 1062-1:	G3
Grain size acc. EN 1062-1:	S1
Assess the degree of blistering acc. EN 1062-1:	lack
Evaluation of the cracks acc. EN 1062-1:	cat. 0, lack
Assessment of the degree of exfoliation acc. EN 1062-1:	cat. 0, lack
Fire classification: B – s1, d0 in:	Ceresit Ceretherm Popular Ceresit Ceretherm Express
pH:	aprox. 9

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