

# CT 110

## SOLAR PROTECT Elastomeric facade paint



### CHARACTERISTICS

- ▶ Excellent color stability with resistance to UV and weather conditions
- ▶ Highly elastic with proven crack bridging properties (A2)
- ▶ Self-cleaning properties and resistance to dirt
- ▶ Extremely durable
- ▶ Very low water uptake
- ▶ Water vapor permeable
- ▶ Resistant to thermal stress and abrasion
- ▶ Perfect for facade renovation
- ▶ Machine application possibility



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### SCOPE OF USE

Ceresit CT 110 Solar Protect Elastomeric is a highly elastic and durable facade paint, resistant to mechanical impacts, scratches, and abrasion. Ceresit CT 110 is especially recommended for the protection of coated areas against weathering (e.g. sour rain), biological corrosion and in cases where high durability, dirt-resistance as well as elasticity and abrasion resistance of the surface are required.

Due to its excellent color stability, CT 110 facade paint can be used on facades, tinted in dark and intensive colours (Ceresit Intense range).

### SURFACE PREPARATION

CT 110 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 5 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 residuals of wall paper or glues should be completely removed. It is recommended to use washing devices CT 98 agent for removing impurities. After being washed with water, the substrate should dry.

### APPLICATION

Before the paint's 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 applications of the subsequent layers at least 12- to 24-hour technological breaks should be maintained. CT 110 should be applied by means of a brush, roller or a spray device. It is important to apply the paint evenly. Application is possible with spray using pressure machines, nozzle e.g. 517, and 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. In case of dark and intensive shades there is a need for less water to achieve the optimum application

consistency. Too much thinning of the material with water will make application more difficult and will result in poorer characteristics (hiding power, colour shade etc.). Only stainless containers tools should be used. Work on one surface should be carried on without any breaks using the paint of the same batch number printed on each packaging or the content of containers with different batch 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 to +25°C and the humidity below 80%. The effects of the UV, weather, and humidity can lead to changes in the coating surface over time. This can result in colour shade changes. This is a natural dynamic process which varies according to climate conditions and the degree of exposure. The respective current national regulations, data sheets, etc. apply. The paint may cause discoloration impossible to be removed on glass, ceramic, wooden, metal and stone surfaces; therefore all the elements in contact with CT 110 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 the surface during direct sun exposure. The facade should be protected against rain until the paint dries completely. It is recommended to use scaffolding protection. This product should not be mixed with other paints, pigments or binders Do not apply paint to the substrate with increased alkalinity (e.g. fresh mineral plaster, mineral substrates), it may cause adverse alkaline effects on the paint coat and pigments. Opened once should be used at the earliest possible time.

## STORAGE

Up to 12 months since the production date, when stored in cool conditions and in original undamaged packaging.  
**Protect against frost! Protect against direct sunlight!**

## PACKAGING

Plastic containers of 14l.

## TECHNICAL DATA

Base:	selected and modified acrylic, silicone and polysiloxane resins with fillers and pigments
Density:	approx. 1,3 kg/dm <sup>3</sup>
Temperature of application:	from +5 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> for two coatings
Resistance to scrubbing acc. PN-EN 1062-1:	DIN 53778-2 >20000 cycles the layer
Water permeability acc. PN-EN 1062-1:	cat. W3 - below 0,1kg/m <sup>2</sup> h <sup>0,5</sup>
Water vapour diffusion factor acc. PN-EN 1062-1:	cat.V2 - 0,14m ≤ Sd ≤ 1,4 m
Gloss acc. PN-EN 1062-1:	cat. G3-mat
Dry layer thickness acc. PN-EN 1062-1:	cat. E3 - 100±200µm
Grain size acc. PN-EN 1062-1:	cat. S1
Assess the degree of blistering acc. PN-EN 1062-1:	lack
Crack bridging acc. PN-EN 1062-1:	cat. A2, >250µm
CO <sub>2</sub> permeability acc. PN-EN 1062-1:	Class C1, >50m
Assessment of the degree of exfoliation acc. PN-EN 1062-1:	cat. 0, lack
pH:	aprox. 9,2