

# CT 77



## Mosaic plaster, grain 0.8-1.2 mm or 1.4-2.0 mm

Decorative thin-layer plaster for indoor and outdoor applications

### CHARACTERISTICS

- ▶ manufactured in several dozen colour arrangements
- ▶ ready to use
- ▶ resistant to weather conditions
- ▶ resistant to abrasion
- ▶ easy to keep clean
- ▶ BioProtect formula – resistant to the development of fungus, algae

### 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 resins are the binder and coloured quartz gravels size 0.8-1.2 mm (colours marked letter D), quartz gravels size 1.4-2.0 (colours marked numbers only) or natural marble aggregates (colours marked with M) are the fillers. 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.

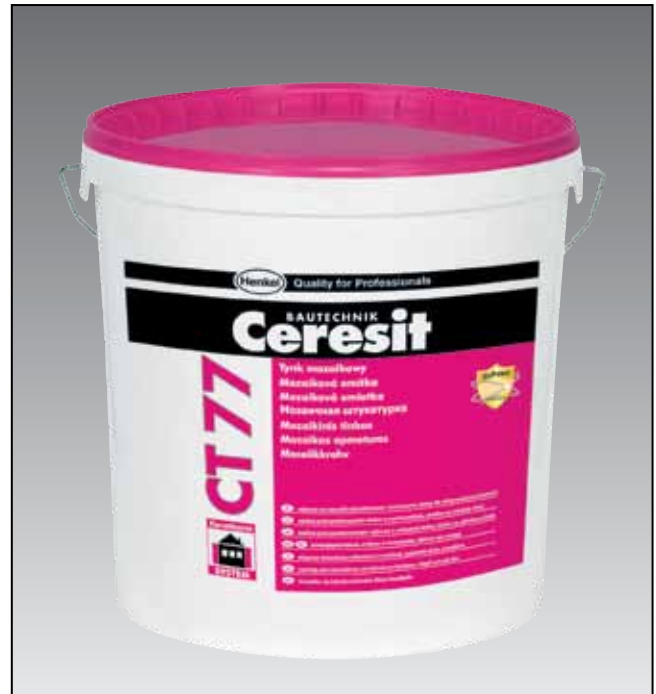
CT 77 is especially recommended to be applied to the exposed to abrasion walls inside the buildings, e.g. at the entrance, corridors, staircases. Outside the buildings, CT 77 is recommended on the substrates easy to get dirty: on the pedestals, railings, door and window frames.

In case of the intense dark colours, the application of CT 77 as the façade layer within Ceresit Ceretherm Systems with EPS should be limited to small areas, e.g. pedestals or architectural details. BioProtect formula is end durable protection form biological paralyzes, e.g. fungus, mould and algae. Due to special capsules with biological agent realising of the substances is under control and ensure long term effect.

### SURFACE 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 mortar (age above 3 days), primed with the paint CT 16,
- armoured layers made of Ceresit CT 87 (age of 2 days)
- gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with the agent CT 17, and then with the paint CT 16,
- chipboards (thickness  $\geq 19$  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 with the paint CT 16,
- strong paint coats (only inside the buildings), with good adhesion to the substrate, primed with the paint CT 16,
- gas concrete substrates - primed with the paint 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 the paint CT 16 similar to the colour of the mosaic plaster. CT 77 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.

## APPLICATION

The whole content of the container should be manually 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. Too much addition of water makes the application of the material impossible. Neither rusty containers nor tools can be used.

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%. 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 in which the agent has been applied should be ventilated to eliminate smell 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 highly insulated walls, 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.

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 dry cool conditions and in original undamaged packages.

**Protect against frost! Protect against direct insolation!**

## PACKAGING

Plastic containers of 25 kg.

## TECHNICAL DATA

Base: water dispersion of synthetic resins with colourful mineral fillers

Density:

- quartz gravels approx. 1.6 kg/dm<sup>3</sup>

- natural marble aggregates (colours marked with M) approx. 1.64 kg/dm<sup>3</sup>

Temperature of application: from +10°C to +25°C

Drying time: approx. 30 min.

Resistant to rain: after approx. 3 days

Assumed consumption:

- quartz gravels 0,8-1,2 mm approx. 3.0 kg/m<sup>2</sup>

(marked with letter D)

- quartz gravels 1,4-2,0 mm approx. 4.5 kg/m<sup>2</sup>

(marked with numbers)

- natural marble aggregates (colours marked with M) approx. 5.2 kg/m<sup>2</sup>

This product possesses:

- Permission of the Health Secretary for the trading in the biocide product NO. 4234/10;

- Technical approval in system:

Ceresit Ceretherm System	Visage
TA	15-8399/2010
Certificate	ITB-0416/Z
DoC: Ceresit Ceretherm	Visage /1/11 of 01.07.2011

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the respective standards. 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 +20 °C and 60 % 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.



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