

CT 137



Mineral plaster, stone like structure grain 1.5 mm, 2.0 mm or 2.5 mm

Decorative thin-layer plaster for indoor and outdoor applications

CHARACTERISTICS

- ▶ manufactured in several colours as well as in the option to be painted
- ▶ vapour permeable
- ▶ hydrophobic
- ▶ resistant to weather conditions

SCOPE OF USE

Ceresit CT 137 is used for making thin layer plasters on concrete substrates, traditional plasters, gypsum substrates and gypsum cardboards, gypsum-fibre boards, etc. We recommend the application of the plaster CT 137 as façade plaster within Ceresit ETICS (External Thermal Insulation Composite Systems) and EPS-boards (Expanded Polystyrene boards) or façade mineral wool boards. The plaster CT 137 is manufactured in several colours to be applied as the final layer of the façade as well as in the option to be painted, e.g. with Ceresit CT 54 silicate paint or Ceresit CT 48 silicate paint and Ceresit CT 42/ CT 44 acrylic paints (in case of applying Ceresit Ceretherm Wool systems).

SUBSTRATE PREPARATION

CT 137 can be applied to carrying substrates that are smooth, dry and clean (free from any substances decreasing adhesion such as grease, bitumen, dust):

- concrete, cement plasters and lime-cement plasters (age above 28 days, moisture $\leq 4\%$), primed with the paint Ceresit CT 16,
- armoured layers made of the Ceresit CT 85 or CT 190 mortar (age above 3 days), primed with the paint CT 16,
- gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with Ceresit CT 17, and then with the paint CT 16,
- gypsum cardboards, gypsum-fibre boards (only inside the buildings), fixed according to the recommendations of the board manufacturers, firstly primed with CT 17, and then with the paint CT 16,
- strong paint coats with good adhesion to the substrate (only inside the buildings), primed with the paint CT 16.

Uneven and damaged substrates should be first repaired. In case of traditional plasters and concrete substrates Ceresit CT 29 can be used. The existing dirt, layers of low strength, as well as lime paint and adhesive coatings should be removed.

Absorptive substrates should be primed with the agent Ceresit CT 17, and then painted with Ceresit CT 16 after minimum 4 hours.

The layer of the plaster CT 137 is recommended to be applied the next day after the substrate is primed.



APPLICATION

The whole content of the packaging should be poured into the measured amount of clean, cool water and mixed by means of the drill with a mixer until the homogenous mass without lumps is obtained. Neither rusty containers nor tools can be used. The consistency should be adjusted to the application conditions. The same consistency of the material should be maintained by remixing the plaster with the drill and not by adding water during the application of CT 137. Plaster should be evenly applied to 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 of densely laid out aggregate grains structure.

Do not sprinkle plaster with water!

Work should be done on one surface without breaks, dosing the same amount of water. 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 42 and CT 44 acrylic paints, Ceresit CT 54 silicate paint as well as Ceresit CT 48 silicone paint.

PLEASE NOTE

Application should be performed in dry conditions with the substrate and ambient temperature:
 – from +5 to +25 °C for CT 137 in white colour and CT 137 to be painted,
 – from +9 to +25 °C for CT 137 in pastel colours.
 All the data refer to the temperature of +20 °C and relative humidity of 60 %. Faster or slower material hardening can occur in different conditions. CT 137 includes cement and while mixed with water it shows alkaline reaction. Therefore skin and eyes should be protected. In case of contact with eyes, they should be rinsed with water and the general practitioner should be consulted. The chromium VI content – below 2 ppm before the expiry date.

OTHER INFORMATION

The plaster should not be applied to highly insulated walls, and the applied layer should be protected against rain and too fast drying for:
 – minimum 24 hours in case of CT 137 in white colour and CT 137 to be painted,
 – minimum 3 days in case of CT 137 in pastel colours.
 It is recommended to use scaffolding protection. If drops in temperature below +9 °C are expected within three consecutive days, CT 137 in pastel colours should not be applied. 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 at the bottom of each bag. After three days, the plaster can be painted with Ceresit CT 54 silicate paint and after 7 days with Ceresit CT 48 silicone paint or Ceresit CT 42 and Ceresit CT 44 acrylic paints according to their application data sheets. Plaster CT 137 to be painted requires double paint coating at the total consumption of approx. 0.3 l/m². 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 on pallets in dry cool conditions and in original undamaged packages.

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. 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.

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PACKAGING

Bags of 25 kg.

TECHNICAL DATA

Base: mixture of cements with mineral fillers and modifiers

Bulk density:		
CT 137 grain 1.5 mm		approx. 1.4 kg/dm ³
CT 137 grain 2.0 mm		approx. 1.4 kg/dm ³
CT 137 grain 2.5 mm		approx. 1.5 kg/dm ³

Mixing ratio:		
CT 137 grain 1.5 mm		5.5÷5.7 l of water per 25 kg
CT 137 grain 2.0 mm		5.5÷5.7 l of water per 25 kg
CT 137 grain 2.5 mm		4.3÷4.7 l of water per 25 kg

Temperature of application:		
CT 137 white and CT 137 to be painted		from +5 °C to +25 °C
CT 137 in pastel colours		from +9 °C to +25 °C

Pot life: up to 90 min.

Assumed consumption:		
CT 137 grain 1.5 mm		from 2.0 to 2.4 kg/m ²
CT 137 grain 2.0 mm		from 3.0 to 3.2 kg/m ²
CT 137 grain 2.5 mm		from 3.5 to 4.0 kg/m ²
depending on the smoothness of the substrate		

This product possesses:
 – within the Ceresit VWS Classic system: ETA-06/0260,
 European Certificate of Conformity No. 1301-CPD-0247

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers

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BUILDING SYSTEMS