

# CT 137

## MINERAL DRY

**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

- ▶ highly vapour permeable (breathable)
- ▶ highly non-inflammable
- ▶ durable and resistant to weather conditions
- ▶ naturally resistant to fungi, algae and mould
- ▶ hydrophobic
- ▶ possibility of mechanical application
- ▶ manufactured in white as well as in the option to be painted

### SCOPE OF USE

Ceresit CT 137 is used for making thin layer plasters on thermal insulation systems, concrete substrates, traditional plasters, gypsum substrates and gypsum cardboards, gypsum-fibre boards, etc. We recommend the application of CT 137 as facade plaster within Ceresit Ceretherm ETICS (External Thermal Insulation Composite Systems) with the application of an EPS-boards (Expanded Polystyrene boards) or mineral wool boards. We also recommend performing ceilings' warming (from the side of ceilings) within Ceresit Ceretherm Wool Garage System, with the application of mineral wool boards. The plaster CT 137 is manufactured in white colour and in option to be painted.

### 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 priming Ceresit CT 16,
- reinforced layers made of Ceresit ZU, CT 80, CT 85 or CT 190 mortar primed with the paint CT 16 (age above 3 days), and CT87 (age above 2 days),
- gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with Ceresit CT 17, and then with the priming 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 priming paint CT 16,
- strong paint coats with good adhesion to the substrate (only inside the buildings), primed with CT 16.



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Absorbent substrates should be primed with the agent Ceresit CT 17, and then painted with CT 16 after minimum 2 hours.

### 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. 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. Possible machine application. Recommended machine, e.g. Wagner PC 15, PC 830, SPG Baummaschinen PG 20 nozzle size 6 m.m.

### PLEASE NOTE

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 on walls exposed on solar radiation to avoid fast drying, and raining for minimum 24 hours. It is recommended to use scaffolding protection. In order to ensure a uniform structure of plaster there should be provided adequate number of employees at various levels of scaffolding and work surfaces combined „wet on wet“. Due to the plaster mineral fillers that can cause differences in the colour of plaster and in the shadows of white version, one surface should be plastered with the material of the same production badge number printed at the bottom of each bag. After three days, CT 137 plaster in version to be painted can be painted with Ceresit CT 54 silicate paint or after 5 days with Ceresit CT 48, CT 49 silicone paint or after 7 days with Ceresit CT 42 and Ceresit CT 44 acrylic paints according to their data sheets. Plaster CT 137 to be painted requires double paint coating at the total consumption of approx. 0.3 l/m<sup>2</sup>. White plaster can stay unpainted.

## PACKAGING

Bags of 25 kg.

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 of the German Standards Institute (DIN). 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.

## TECHNICAL DATA

|                                    |   |                                |
|------------------------------------|---|--------------------------------|
| Base:                              | mixture of cements with mineral fillers and modifiers |                                |
| Bulk density:                      | CT 137 grain 1.5 mm                                   | approx. 1.4 kg/dm <sup>3</sup> |
|                                    | CT 137 grain 2.0 mm                                   | approx. 1.4 kg/dm <sup>3</sup> |
|                                    | CT 137 grain 2.5 mm                                   | approx. 1.5 kg/dm <sup>3</sup> |
| 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:        | +5 °C to +25 °C                                       |                                |
| Pot life:                          | up to 90 min.   |                                |
| Compressive strength:              | CS IV acc. EN 998-1                                   |                                |
| Adhesion:                          | ≥ 0.25 N/mm <sup>2</sup> –FP:B acc. EN 998-1          |                                |
| Water absorption:                  | W2 acc. EN 998-1                                      |                                |
| Water vapour permeability:         | V1 acc. EN 998-1                                      |                                |
| Rate of the permeability of steam: | μ: ≤ 29 acc. EN 998-1                                 |                                |
| Rate of the heat conduction        | λ <sub>10,dry</sub> : 0.54 W/mK acc. EN 998-1         |                                |
| Impact resistance:                 | cat. III acc. ETAG 004                                |                                |
| Water absorption after 24 h:       | < 0.5 kg/m <sup>2</sup> acc. ETAG 004                 |                                |

The sound absorption coefficient in the system  
Ceresit Ceretherm Wool Garage: α<sub>w</sub> = 0.85 Class B absorption  
Fire classification acc. EN 13501-1:

A1 in:

Ceresit Ceretherm Wool Garage

A2 – s1, d0 in:

Ceresit Ceretherm Universal MW, Ceresit Ceretherm Wool Classic, Ceresit Ceretherm Wool Premium

B –s1, d0 in:

Ceresit Ceretherm Popular, Ceresit Ceretherm Classic  
Ceresit Ceretherm Premium, Ceresit Ceretherm Universal EPS  
Ceresit Ceretherm Universal XPS

Assessment of natural radiation: meets the requirements of ITB Instruction No. 234/2003, p.6.2.1, according to Regulation of the Council of Ministers on 2 January 2007. & 3, p.1

Resistance to overgrowth by mould: the total resistance

Assumed consumption:

|                     |                                   |
|---------------------|-----------------------------------|
| CT 137 grain 1.5 mm | from 2.0 to 2.4 kg/m <sup>2</sup> |
| CT 137 grain 2.0 mm | from 3.0 to 3.2 kg/m <sup>2</sup> |
| CT 137 grain 2.5 mm | from 3.5 to 4.0 kg/m <sup>2</sup> |

depending on the smoothness of the substrate

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

This product possesses documents of reference:

- BBA Certificate No. 14/5142
- Irish Agreement Board Certificate No. 09/0340
- European Technical Assessment (ETA) in systems:

| Ceresit Ceretherm System | Popular         | Classic         | Premium         | Wool Classic    | Wool Premium    | Universal EPS   | Universal XPS   | Universal MW    |
|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ETA                      | 08/0309         | 09/0014         | 08/0308         | 09/0026         | 09/0037         | 13/0535         | 13/0807         | 14/0127         |
| Certificate              | 1488-CPR-0382/Z | 1488-CPR-0439/Z | 1488-CPR-0363/Z | 1488-CPR-0440/Z | 1488-CPR-0375/Z | 1488-CPR-0457/Z | 1488-CPR-0456/Z | 1488-CPR-0362/Z |
| DoP                      | 00426           | 00420           | 00428           | 00424           | 00430           | 00433           | 00434           | 00435           |

- National Technical Assessment/Technical Approvals in systems:

| Ceresit Ceretherm System | Reno                        | Wool Garage            |
|--------------------------|-----------------------------|------------------------|
| NTA/TA                   | ITB-KOT-2018/0472 wydanie 1 | 15-7956/2016 + Annexes |
| Certificate              | 020-UWB-0895/Z              | ITB-0320/Z             |
| NDoP                     | 00444                       | 00448                  |

The product in conformity with EN 998-1. Dyed plaster mortar (CR) to be applied inside and outside the buildings. Declaration of Performance No 00250.