

CT 24



Smoothing plaster for cell concrete bloc bases

Dry mortar for repairs and preparing bases for decorative finishing inside and outside buildings

CHARACTERISTICS

- ▶ has high adhesion to aerated concrete
- ▶ vapor permeable
- ▶ weatherproof
- ▶ flexible and easy to use
- ▶ suitable for mechanical application
- ▶ suitable for indoor and outdoor use
- ▶ environmentally friendly

SCOPE OF USE

CT 24 plaster mix is intended for repair, leveling and plastering of cellular concrete substrates (aerated concrete, aerated concrete, gas silicate, etc.), lightweight concrete, ceramic and silicate brick masonry, on walls inside and outside buildings, both with manual and mechanized application. Can be used for filling of cavities, chips and other defects of the cellular and lightweight concrete, old plasters and masonry, etc. Per one pass the mixture can be applied in a layer of 3 up to 30 mm.

SUBSTRATE PREPARATION

The substrate must meet the requirements of SP 71.13330.2017, be dry, sufficiently strong and free from dust, efflorescence, limescale, grease, bitumen and other contaminants. Loose areas and delamination should delete. Expand, clean and fill with chipped and unfilled masonry joints with CT 24 at least one day before applying the plaster layer. Before applying the mixture, the base should be moistened to matt-wet. Substrates with reduced strength instead of primer CT 17 twice with full drying after each application.

APPLICATION

To prepare the compound, take a pre-dosed amount of clean water with a temperature of +15 °C to +20 °C. Consistency of the material is fitted according the type of performed works. The dry powder is gradually added to water with stirring, achieving a homogeneous mass without lumps. Mixing is done with a mixer or drill, with a stirring tip at a rotation speed of 400–800 rpm. When work with material use traditional methods and tools. Do not grind the surface after smoothing! You can start tiling, leveling and applying decorative coatings



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no earlier than 3 days after applying the plaster, and for painting - not earlier than after 7 days. Fresh material residues can be removed with water, dried - only mechanically.

PLEASE NOTE

Water proportions, in claimed measures, are to be defined experimentally, depending on types of works and thickness of layers. Works are to be executed at temperature of basis of +5 °C–+30 °C and air humidity not higher than 80%. All the aforementioned recommendations are useful for +20 °C and relative humidity of 60 %. In other conditions drying and crusting time may vary.

Ceresit CT 24 contains cement and when mixed with water undergo alkaline reactions, for such reason one should prevent eyes and skin while working with the mixture. In case dry mortar hit eyes, they should be cleaned with water and one should ask for medical assistance. It is prohibited to mix Ceresit CT 24 with other filling materials, extenders and astringents.

OTHER INFORMATION

For making the mixture it is better to use drills with no more than 600 rpm. During application, drying and setting the mixture is to be protected from direct sun rays in hot weathers, low and negative temperatures, strong wind and rain. Scaffolding must be covered with protective special mesh to protect façade during work. The building drainage system must be installed. Besides the above-mentioned information on material usage, it is necessary to use the normative documentations for holding masonry works in force. Using material is easy while observing and following the rules described in this technical description. In case material was used in conditions not defined in the technical description, it is worth to test it or ask for advice from the producer. For mechanical application it is recommended to use the equipment PFT, Putzmeister, M-Tec, Kaleta or similar as recommended its manufacturer. The consistency of the mixture should be selected according to the index of immersion flow from cone Pk (see table).

STORAGE

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

Protect from freezing weather!

PACKAGING

Bags of 5 kg and 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

Composition:	mixture of cement with natural mineral fillers and organic modifiers
Needed amount of water	5,5–5,75 l of water per 25 kg for mixing
Application temperature:	from +5 °C–+30 °C
Mortar immersion flow:	3 (8–12 cm)
Working time:	min. 60 minutes
Compressive strength:	≥ 7,0 MPa after 28 days:
Adhesion to substrate:	≥ 0,4 MPa after 28 days
Vapor permeability:	not less than 0,15 mg/m/h/Pa
Heat conductivity:	not more than 0,2 Wt/m°C
Contact area cold resistance:	F 25 (minimum 25 cycles)
Frost resistance dry mortar:	F 100 (minimum 100 cycles)
Dry mortar mixture density:	1600±100 kg/m ³
Temperature range:	from -50 °C up to +70 °C
Consumption:	approx. 1,4 kg/m ² per 1 mm of layer thickness
Note:	the consumption of material depends on the quality of substrate preparation and the qualifications of the applicator and above the indicated values.



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