

CT 24

Smoothing plaster for cell concrete bloc bases

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

CHARACTERISTICS

- ▶ comfortable in usage
- ▶ for exterior and interior works
- ▶ high vapor permeability
- ▶ high heat insulating features
- ▶ easily applied in layers up to 30 mm
- ▶ environmentally safe

SCOPE OF USE

Ceresit CT 24 mixture is used for preparing cell concrete blocs bases (gas or foam concrete) for finishing inside and outside buildings. Effective in repairing cracks, potholes, flutes and other defects on the surfaces of such bases. Thickness of onetime layer – 3 mm–30 mm.

SUBSTRATE PREPARATION

Preparing basis when laying blocs is to be held according to SNiP 3.04.01-87 and DBN V 2.6-22-2001. Basis is to be dry and solid without any visible damages. Before laying and cementing blocs are to be cleaned from dust, dirt, oil spots and other substances, preventing adhesion of the dry mortar CT 21 to the basis. All roughness and weak areas are also to be removed. Bases with biological corrosion traces are to be finished with special Ceresit CT 99 mixture or removed mechanically. If necessary basis surface is to be covered with primer coating Ceresit CT 17. Before applying plaster basis is to be moistened 2–3 times.

APPLICATION

Dry mixture is to be mixed with clear water (temperature from +15–+25 °C) 0,22–0,24 l per 1 kg of dry mixture and stir with low-speed drill with a head beam or a stirrer till receiving homogenous mass without balls. Amount of water (5,5–6,0 l per 25 kg) may vary



depending on kinds of works. For filling potholes, flutes and cracks the mixture is to be stirred with minimum water. Thickness of leveling plaster layer also influences amounts of water, thickness of layer 3 mm maximum and 30 mm minimum. Then the mixture is to stay untouched for 5 minutes and stirred again afterwards. Using prepared mixture is possible for 2 hours. Ceresit CT 24 is applied with a stainless applicator, floater or semi-floater and other instruments. Ceresit CT 24 is applied either mechanically, when correct correlation of water and mixture, regulated by the technical parameters of equipment, was chosen. Dry mixture is to be applied to surfaces till needed thickness. Maximum thickness of leveling of plaster layers is not to exceed 30 mm. In order to receive smooth surfaces for painting facades, plaster is to be carefully floated with a plastic floater on the stage of its primary setting (5–30 min depending on temperature and conditions of usage). After floating surface is not grounded.

In normal climate (temperature +20 °C and relative air humidity of 60 %) and good ventilation it is possible to paint facades in 7 days, and interior surfaces are to be glazed in the same conditions and good ventilation in 3 days.

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–+30 °C. 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.

RECOMMENDATIONS

For making the mixture it is better to use drills with no more than 600 rpm. During drying and setting the mixture is to be protected from direct sun rays and low temperatures, during execution of works Ceresit CT 24 is to be protected from downfalls.

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.

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

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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 for mixing:	5,5–6,0 l of water per 25 kg of dry mortar
Basis temperature:	from +5–+30 °C
Water-holding capacity:	95 %
Air-bubbles content:	20–25 %
Comprehension resistance in 28 days:	not less than 7,0 MPa
Flexing strength:	not less than 2,0 MPa
Adhesion to basis:	not less than 0,35 MPa
Vapor permeability:	not less than 0,15 mg/m/h/Pa
Heat conductivity:	not more than 0,2 Wt/m/°C
Contact area coldresistance:	not less than 50 cycles
Filler's fineness:	0,8 mm
Dry mortar mixture density:	1,50–1,58 kg/l
Mixture density:	1,3–1,4 kg/l
Coverage rate (thickness of laying per 1 mm of layer):	approx. 1,2 kg/m ²
Storage:	In firm hermetic packages in dry premises 12 months after the production date defined on packages.

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