

CT 710



VISAGE Decorative 'Natural Stone' Plaster

Stylized plaster with sandstone or granite structure for indoor and outdoor use

CHARACTERISTICS

- ▶ granite or sandstone effect in several dozen colours
- ▶ plaster including mix of natural and modified aggregates for natural stone effect
- ▶ resistant to weather conditions
- ▶ resistant to scrubbing
- ▶ easy to maintain clean
- ▶ adaptive for machine application
- ▶ may be applied with stencils
- ▶ ready for use



SCOPE OF USE

Ceresit CT 710 plaster is used for execution of decorative plasters on traditional plasters, concrete and gypsum surfaces, chipboards, drywall boards, etc. CT 710 as facade plaster is one of the components within ETICS (External Thermal Insulation Composite System), Ceresit Ceretherm with application of expanded polystyrene boards and mineral wool. Transparent resins are used as binding material, with fillers in the form of specially selected combinations of natural or modified granite or quartz aggregate. CT 710 is dedicated for spray application. Application on small areas is possible with a steel long float. After setting, natural stone pattern is obtained. Characteristics of the material allow for bridging capillary scratches in the surface. The plaster features exceptional durability and resistance to dirt. CT 710 is specifically recommended for places exposed to intense wearing and subject to rapid soiling, e.g. building plinths, entrances to buildings, corridors, staircases. In case of strong, dark colours, using CT 710 as a finishing layer in the Ceresit Ceretherm systems should be limited e.g. for execution of plinths or architectural details.

SUBSTRATE PREPARATION

CT 710 may be used on smooth, carrying, dry surfaces, free of substances which decrease adhesion, such as grease, bitumens, dust:



CERESIT_C_CT710V_TDS_1_0317

- cement and cement-lime plasters (age above 28 days), concrete (age above 3 months, moisture ≤ 4 %) – primed with Ceresit CT 16 priming paint,
- layers reinforced with glass fibre mesh, made of Ceresit ZU, CT 85, CT 190 (age above 3 days) or the CT 87 mortar (age above 2 days) – primed with CT 16,
- gypsum surface (only inside buildings) with moisture below 1% – primed first with Ceresit CT 17 agent and then with CT 16,
- chipboards (≥ 19 mm thick), drywall and gypsum-fibre boards: only inside buildings, fixed in accordance with recommendations of board manufacturers – first primed with CT 17 agent and then with CT 16,
- paint coats (only inside buildings) – strong, with good adhesion, primed with CT 16,

Uneven and damaged surfaces should be first smoothed and repaired. In case of traditional plasters and concrete surfaces, the Ceresit CT 29 plaster filler may be used for this purpose. Strength of the surface should be checked. The existing soiling, low-strength layers, paint coats of elastic, lime and adhesive paints, as well as wallpaper and remains of adhesives need to be completely removed. Absorbent surfaces should be first primed with CT 17 agent, and, after at least 2 hours, with CT 16. Using CT 16 in the colour close to that of plaster is recommended.

CT 710 may be applied after complete drying of CT 16. Moisture pressure from the surface may result in plaster damage, therefore the places exposed to permanent moistness should be provided with appropriate sealing layers.

APPLICATION

Mix the contents of the container with a slow-speed drill fitted with a basket stirrer to obtain uniform consistence. Consistence of the mass should be adjusted to the method of application and application conditions through addition of small volume of clean water and stirring again. Too much water added will exclude the possibility of using the material. Do not use rusty containers or tools.

CT 710 Granite plaster to be applied on the substrate in two layers with "wet on wet" operation. The first layer was to be applied manually using a smooth steel. The second layer should be applied by spraying with gun and circular motion. While CT 710 Sandstone plaster applied to the substrate use the gun, spray method in two layers.

Apply the first layer in horizontal movements. Apply the second layer in vertical passages, in "wet on wet" operation. The thickness of these two layers should ensure full coverage of the surface and obtaining the required structure. CT 710 Sandstone can also be sprayed in a circular motion, method of application to be chosen by the contractor after the test application. The thickness of the two layers should provide complete coverage of the substrate and obtain the required structure.

Possibility of manual application. When applied manually, apply plaster mass uniformly on the surface with a steel long float held at angle, until thickness is achieved which ensures complete coverage of the surface. Use the same tool to smooth plaster before its surface starts to dry out. The long float should not be pressed too strongly to the surface.

Do not sprinkle plaster with water! Do not make structuring!

When set, CT 710 creates non-uniform natural stone structure.

For granite CT 710 in Mozambique Graphite and Zambia Green colours, only manual application with a steel long float is recommended, with machine application being highly recommended for the other granite colours and all the sandstone colours to obtain natural appearance. CT 710 India Black is recommended for machine application only. CT 710 sandstone colours: Manhattan Grey can be used with stencils only, Palermo Grey, Porto Beige, Cairo Beige are recommended to use with self-adhesive Ceresit stencils to be able to obtain homogenous texture of plaster. Ceresit CT 710 sandstone mixtures are based on natural quartz aggregates, so the application of these colors CT 710 on a uniform surface without using stencils can give rise to non-uniform texture of plaster, imitating sandstone appearance. The method of application of CT 710 sandstone should be chosen depending on the expected final effect on the plaster.

Work on one surface should continue uninterrupted, with identical consistence of material maintained. When work has to be stopped for a time, adhesive tape should be placed along the marked line, mass applied and smoothed, and then the tape with remains of fresh material should be removed. After the break, continue work from the marked place. The edge of the plaster applied earlier may be protected with adhesive tape.

Wash tools and fresh stains with water, hard plaster remains remove mechanically.

PLEASE NOTE

Application should be performed in dry conditions, at air and surface temperature from +10 °C to +25 °C and with relative air humidity below 80 %.

Do not apply plaster on highly insulated walls, and protect against too fast drying. During the works it is strictly recommended to use scaffolding protection. The plaster should be protected against rainfall, direct sunlight and strong wind until it is completely hard. Do not mix the product with other resins, plasters, dyes and binding materials. Ventilate the rooms after application of mass until odour is no longer perceived, only then can the rooms be released for use. When material comes into contact with the eyes, rinse the eyes with plenty of water and seek medical advice. The product shall be stored in a place inaccessible for children. The performance characteristics are given in the text corresponding to the product Declaration of Performance

RECOMMENDATIONS

In case of manual application of sandstone CT 710 with a metal long float, using stencils which imitate natural stone is recommended. The minimum thickness of the applied material should be 2 mm in this case.

Do not apply mass on walls with high insolation, protect the completed plaster against too fast drying. The minimum inclination of plastered surfaces should be 30°. Due to presence of natural fillers which can cause varied appearance of plaster, one surface should be plastered with the material of the same number of the manufactured unit on each container. 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". Opened packages shall be thoroughly closed, and their contents should be used as soon as possible.

PACKAGING

CT 710 Granite - Plastic container 20 kg

CT 710 Sandstone - Plastic container 20,3 kg

TECHNICAL DATA

| | |
|---------------------------------------|---|
| Base: | water dispersion of synthetic resins with mineral fillers |
| Density: | ca. 1.7 kg/cm ³ |
| Temperature of application: | from +10 °C to +25 °C |
| Open time: | ca. 30 min. |
| Resistance to rain: | after ca. 3 days |
| Water vapour permeability: | V 2 acc EN 15824:2009 |
| Water absorption: | W 2 acc. EN 15824:2010 |
| Adhesion: | 0.6 MPa acc. EN 15824:2010 |
| Thermal conductivity: | $\lambda = 0.61 \text{ W/(m}\cdot\text{K)}$ acc EN 15824:2010 |
| Impact resistance: | cat II acc. ETAG 004 |
| Water vapour permeability: | $S_d \leq 1.0 \text{ m}$ acc. ETAG 004 |
| Water absorption after 24 h: | < 0.5 kg/m ² acc ETAG 004 |
| Adhesion between layers after ageing: | $\geq 0.08 \text{ MPa}$ acc. ETAG 004 |
| Fire classification acc. EN 13501-1: | B - s1, d0 in: Ceresit Ceretherm Visage |

Shelf life/ Storage: Up to 12 months of the production date when stored in cool conditions and in the original, intact packages.

Protect against freezing! Protect against direct insolation

Assumed consumption:

- sandstone structure ca. 2 kg/m² per 1 mm of thickness
- granite structure:

| Name | Consumption |
|-------------------|------------------------------|
| India Black | 3.0-3.5 kg/m ² |
| Brasilia Rose | 3.5-4.5 kg/m ² |
| Dolomite Grey | 3.5-4.5 kg/m ² |
| Sardinia Grey | 3.5-4.5 kg/m ² |
| Nordic White | aprox. 3.0 kg/m ² |
| Finland Silver | 3.0-3.5 kg/m ² |
| Panama Cream | aprox. 3.0 kg/m ² |
| Mozambic Graphite | 4.5-5.0 kg/m ² |
| Argentina Brown | od 3.0-3.5 kg/m ² |
| Mexico Gold | 3.0-3.5 kg/m ² |
| Nepal Red | 3.0-3.5 kg/m ² |
| Patagonia Beige | 3.0-3.5 kg/m ² |
| Tanzania Grey | 3.5-4.5 kg/m ² |
| Zambia Green | 4.5-5.0 kg/m ² |
| Jamaica Brown | 3.0-3.5 kg/m ² |
| Himalaya Grey | 3.0-3.5 kg/m ² |

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.

- For sandstone CT 710, \varnothing 4 or \varnothing 6 mm nozzle is recommended at working pressure from 2 to 8 bar, addition of water from 5 to 7 %
 - For granite CT 710, \varnothing 4 mm to \varnothing 8 mm nozzle is recommended at working pressure from 2 to 8 bar, addition of water from 2 to 4 %
- Before each application is recommended to make a sample trial to adjust plaster consistency, size of nozzle and pressure

Available colours:

- for CT 710 Granite

| Name | Recommended colour of priming paint |
|-------------------|-------------------------------------|
| Mexico Gold | AD3 |
| Patagonia Beige | TX1 |
| Finland Silver | NB3 |
| Sardinia Grey | NB3 |
| Dolomite Grey | NB3 |
| Tanzania Grey | NB3 |
| Brasilia Rose | CL3 |
| India Black | NB3 |
| Mozambic Graphite | NB3 |
| Panama Cream | TX1 |
| Nepal Red | CL3 |
| Argentina Brown | AF3 |
| Jamaica Brown | TX1 |
| Himalaya Grey | NB3 |
| Nordic White | white |
| Zambia Green | TD3 |

- for CT 710 Sandstone

| Name | Recommended colour of priming paint |
|-------------------|-------------------------------------|
| Alabama Gold | SV4 |
| Porto Beige | NB3 |
| Manhattan Grey | NB3 |
| Cairo Beige | NB3 |
| Scandinavia White | white |
| Kenya Cream | ET1 |
| Venetto Rosa | AR2 |
| Toledo Red | FJ5 |
| Montenegro Green | TD3 |
| Cordoba Gold | DK5 |
| Arabia Sand | AF1 |
| Palermoo Grey | NB3 |

This product possesses documents of reference:

- European Technical Approval (ETA) in systems:

| Ceresit Ceretherm System | Visage | Wool Classic |
|--------------------------|-----------------|-----------------|
| ETA | 11/0395 | 09/0026 |
| Certificate | 1488-CPR-0370/Z | 1488-CPR-0440/Z |
| DoP | 00431 | 00424 |

Product compatible with EN 15824:2010 External render based on organic binder. Declaration of Performance No 00289.



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