CT 74

Silicone 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
- self-cleaning effect (highly resistant to dirt)
- high elasticity and impact resistance
- high stability of colour
- high durability
- very low absorption and high vapour permeability
- high resistant to weather conditions
- BioProtect formula - resistant to fungi, algae and mould
- possibility of machine application
- available in full palette of Ceresit Colours of Nature®

SCOPE OF USE
Ceresit CT 74 is used for making thin-layer plasters on external insulation systems, concrete substrates, traditional plasters, gypsum substrates and chipboards, gypsum cardboards, etc. We recommend the application of CT 74 as façade plaster within Ceresit ETICS (External Thermal Insulation Composite Systems) with the use of EPS-boards (Expanded Polystyrene boards) and mineral wool. CT 74 plaster is recommended to be applied to external walls where high permeability is required. CT 74 is available in a wide range of colours, but in case of intense dark colours, the material application on the façades should be limited to small areas, e.g. architectural details. Plaster CT 74 is protected form biological contamination, e.g. fungi, mould and algae, increasing its resistance to their effects.

SUBSTRATE PREPARATION
CT 74 can be applied to smooth, carrying, dry and clean substrates free from grease, bitumen, dust and other substances decreasing adhesion:
- cement plasters and lime-cement plasters (age above 3 days), concrete (age above 3 months, moisture ≤ 4 %) - primed with the paint Ceresit CT 16,
- armoured layers made of Ceresit CT 85, CT 190, ZU mortars primed with the paint CT 16 (age above 3 days) and CT 87 (age above 2 days)
- gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with the agent Ceresit CT 17, and then with the paint CT 16,
- chipboards, gypsum-fibre boards and gypsum cardboards (only inside the buildings), fixed according to the recommendations of the board manufacturers, firstly primed with the agent CT 17, and then with the priming paint CT 16,
- strong paint coats (only inside the buildings), with good adhesion to the substrate, primed with the priming paint CT 16.

Uneven and damaged substrates should be first smoothed and repaired. In case of traditional plasters and concrete substrates, Ceresit CT 29 plaster filler can be used. The existing dirt, layers of low strength, as well as elastic, lime and adhesive paint coatings should be removed. Absorbent substrates should be primed with the agent CT 17, and then painted with CT 16 after minimum 2 hours. It is recommended to use the colour of the priming paint CT 16 similar to the colour of the plaster. CT 74 can be applied when the priming paint CT 16 becomes completely dry. The moisture coming from the substrate can cause the destruction of the plaster, therefore one should be assured that the adequate sealing layers have been made in the rooms (places) endangered with constant moisture.

APPLICATION
The whole content of the container should be carefully stirred. If the need appears, add no more than 1% of clean water and mix again. Neither rusty containers nor tools can be used.
CT 74 should be evenly applied on 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 densely laid out aggregate grains structure.

Do not sprinkle plaster with water!

Work should be done on one surface without breaks, keeping the same product consistency. 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, the previously applied plaster can be protected with self-adhesive tape. Then plaster should be applied, structure formed, and tape fixed on the previously applied plaster.

Work should be done on one surface without breaks, keeping the appearance densely laid out aggregate grains structure.

Protect against frost and direct sunlight!

This product possesses documents of reference:
- Permit of the Minister of Health for the trading in the biocide product No. 3320/07,
- BBA Certificate No. 14/5142
- Irish Agrement Board Certificate No. 09/0340
- European Technical Approval (ETA) in systems:
  - Ceresit Ceretherm Wool Premium, Ceresit Ceretherm Wool Classic
  - Ceresit Ceretherm Wool Classic, Ceresit Ceretherm Wool Popular
- Ceresit Ceretherm Impactum

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 74 grain 1.5 mm from 2.1 to 2.5 kg/m²
- CT 74 grain 2.0 mm from 3.1 to 3.4 kg/m²
- CT 74 grain 2.5 mm from 3.8 to 4.0 kg/m²

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

Packaging

Plastic containers of 25 kg.

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Base</td>
<td>water dispersion of silicone and acrylic resins with mineral fillers and pigments</td>
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<tr>
<td>Density</td>
<td>1.7 kg/dm³</td>
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<tr>
<td>Temperature of application</td>
<td>from +5 °C to +25 °C</td>
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<tr>
<td>Open time</td>
<td>approx. 15 min</td>
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<tr>
<td>Resistance to rain</td>
<td>from 24 to 48 hours depending on the temperature</td>
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<tr>
<td>Water vapour permeability</td>
<td>V1 acc. EN 15824:2010</td>
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<tr>
<td>Water absorption</td>
<td>W3 acc. EN 15824:2010</td>
</tr>
<tr>
<td>Adhesion</td>
<td>0.6 MPa acc. EN 15824:2010</td>
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<tr>
<td>Thermal conductivity</td>
<td>λ = 0.61 W/(m²K) acc. EN 15824:2010</td>
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<tr>
<td>Impact resistance</td>
<td>cat. I or II acc. ETAG 004 (depends on system)</td>
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<tr>
<td>Water absorption after 24 h</td>
<td>≤ 0.5 kg/m² acc. ETAG 004</td>
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<tr>
<td>Water vapour permeability</td>
<td>S ≤ 1.0 m acc. ETAG 004</td>
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<tr>
<td>Adhesion between layers after ageing</td>
<td>&gt; 0.08 MPa acc. ETAG 004</td>
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<tr>
<td>Fire classification acc. EN 13501-1</td>
<td>B-s1, d0 in: Ceresit Ceretherm Popular, Ceresit Ceretherm Classic</td>
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<tr>
<td></td>
<td>Ceresit Ceretherm Premium, Ceresit Ceretherm Express</td>
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<tr>
<td></td>
<td>Ceresit Ceretherm Wool Classic, Ceresit Ceretherm Wool Premium</td>
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<tr>
<td></td>
<td>B-s2, d0 in: Ceresit Ceretherm Impactum</td>
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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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Quality for Professionals