

# CT 79

## IMPACTUM

### Elastomeric plaster, stone like structure, grain 1.5 mm



Highly elastic decorative thin-layer plaster for outdoor and indoor applications

#### CHARACTERISTICS

- ▶ extremely elastic, reinforced with carbon, glass and polyacrylamid fibres combination
- ▶ extremely resistant to weather conditions
- ▶ extremely resistant to mechanical impacts – even 100 Joule
- ▶ extremely resistant for thermal stresses and crack bridging
- ▶ self-cleaning (highly resistant to dirt)
- ▶ very low water uptake
- ▶ highly vapour permeable
- ▶ highly resistant to fungi, algae and mould development
- ▶ high colour stability
- ▶ available in the entire Ceresit Colours of Nature® colour palette and Ceresit Intense Colour System
- ▶ machine application possibility



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#### SCOPE OF USE

Ready to use elastomeric plaster Ceresit CT 79 is recommended as a facade finishing layer in the Ceresit Ceretherm Impactum external thermal insulation composite system (ETICS) of walls with polystyrene boards. CT 79 is specially recommended for applications on partitions where high damage and operating resistance (such as plinth part, garage entrance, parking zone, neighbourhood of playground) also good resistance to dirt is required. CT 79 plaster maintains its elasticity in a much wider range of temperatures than traditional plasters based on acrylic dispersions. It contains a combination of selected carbon, glass and polyacrylamide fibres that increase the resistance to operating damages and impacts. The combination of these characteristics properties of elastomeric dispersion and additives as silicone modifiers, maximally enhance the durability of the coat, increase its resistance to biological corrosion and help maintain an aesthetic appearance of the facade. CT 79 plaster is available in a

wide range of Ceresit colours, including a specially selected choice of dark and intense hues, which application in case of traditional renders (acrylic, silicate etc.) is very limited or impossible (light reflection coefficient HBW  $\geq 5\%$ ). Elastomeric plaster Ceresit CT 79 can also be used to make thin-layer plaster coatings on concrete substrates, traditional plasters, gypsum substrates and on chipboards, gypsum boards etc.

#### SUBSTRATE PREPARATION

CT 79 can be applied to carrying substrates that are smooth, dry and free from grease, bitumen, dust and other substances decreasing adhesion:

- cement and lime-cement plasters (age above 28 days), concrete (age above 3 months, moisture  $\leq 4\%$ ) – primed with the Ceresit CT 16,
- layers armoured with a glass fibre mesh, made of Ceresit CT 85, ZU mortars primed with the paint CT 16 (age above 3 days) and CT 87, CT 100 mortars (age above 2 days) – no need for priming,
- gypsum substrates (only inside buildings) with moisture below 1% - first primed with Ceresit CT 17, and then with CT 16,

- chipboards, gypsum-fibre boards and gypsum boards (only inside buildings), fixed according to the recommendations of board manufacturers - first primed with Ceresit CT 17, and then with CT 16,
- paint coats (only inside buildings) - strong, highly adhesive, primed with CT 16

Uneven and damaged substrates shall be smoothed and repaired before the application of the product. In case of traditional plasters and concrete substrates Ceresit CT 29 filler can be used. Existing dirt, layers of low strength, as well as elastic, lime and adhesive paint coatings should be completely removed. Absorptive substrates should be first primed with the CT 17 agent, and then painted with CT 16 after minimum 2 hours. It is recommended to use CT 16 in a colour similar to the colour of the plaster. CT 79 can be applied after the CT 16 has dried out completely. Moisture pressure from the substrate side can cause plaster damages, therefore in rooms (places) prone to permanent moisture penetration the application of proper sealing layer shall be verified.

## APPLICATION

The content of the container shall be thoroughly mixed. If needed, the thickness of the material can be adjusted by adding a small amount of clean water (up to 1%) and mixing the product again. Neither rusty containers nor tools can be used. CT 79 plaster should be evenly applied to the substrate at the thickness of the grain by means of a steel float held at an angle. Then, with circular movements of a plastic float held flat on the surface, it should be given a homogenous texture with the appearance of densely laid aggregate grains.

### **Do not sprinkle plaster with water!**

Work on a single surface should be done without breaks, maintaining the same density of the material. If there is a need to stop working, a self-adhesive tape should be stuck along a previously marked line. Then plaster should be put onto the surface, texture applied, and tape with the remains of the fresh plaster should be torn off. Work shall be continued from the marked place after the break. The edge of the previously applied plaster can be protected with a self-adhesive tape. Tools and fresh stains should be washed with water, and the hardened plaster remains can be mechanically removed. Plaster renovations can be done by painting with a silicone paints Ceresit CT 48 and Ceresit CT 49, CT 55 elastomeric paint. Possibility of machine application.

Recommended type of equipment eg. Wagner PC 15, PC 830, SPG Baumaschinen PG 20.

## PLEASE NOTE

Works should be carried out in dry conditions, with the air and substrate temperature from +5 °C to +25 °C and at relative air humidity below 80 %. All the data refer to temperature +20 °C and relative air humidity of 60%. Faster or slower material hardening may occur in different conditions. High air humidity and low temperatures may significantly increase the material binding process and cause colour variations. The product should not be mixed with other plasters, pigments, resins or other binders. The rooms in which the plaster has been applied should be ventilated to eliminate the smell before they are used. In case of contact with eyes, they should be rinsed with water and the general practitioner

should be consulted. The product should be kept out of reach of children. The performance characteristics are given in the text of corresponding to the product Declaration of Performance.

## OTHER INFORMATION

The plaster should not be applied on facade's wall while highly exposed to sun operation. It is a must to use scaffolding protection during the carried works. Until it dries completely, it should be protected against direct sun, rain and strong wind. Because of the natural fillers that can cause differences in the plaster's appearance, one surface should be coated with the material of the same production batch number printed 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“. An opened container should be carefully closed and its content used as soon as possible. This data sheet defines the scope of use for the material and the recommended way of conducting works; however it cannot replace professional experience of a contractor. Other than these recommendations, the works should be carried out in accordance with construction standards and the rules of occupational safety and health. The manufacturer guarantees the quality of the product, however he has no influence on the conditions and the method of its application and exploitation. During the designing of facade colouristic, designer should take into consideration thermal resistance of EPS. In case of any doubt, sample procedure should be carried out. With the publication of this data sheet, any previous sheets become invalid.

## PACKAGING

Plastic containers of 25 kg.

## TECHNICAL DATA

Base:	selected elastomeric dispersions armoured with fibres with silicone modifiers, mineral fillers and pigments
Density:	1.75 kg/dm <sup>3</sup>
Temperature of application:	from +5 °C to +25 °C
Drying time:	approx. 15 min
Resistance to rain:	from 24 to 48 hours depending on the temperature
Water vapour permeability:	V 2 acc. EN 15824:2010
Water absorption:	W 3 acc. EN 15824:2010
Adhesion:	0.6 MPa acc. EN 15824:2010
Thermal conductivity:	$\lambda=0.61\text{W}/(\text{m}\cdot\text{K})$ acc. EN 15824:2010
Within the Ceresit Ceretherm Impactum system:	
Use grade: Grade I according to ETAG 004	
- resistance to mechanical impact:	$\geq 100\text{J}$ ,
Fire reaction class acc. EN 13501-1:	
B – s2, d0 in:	Ceresit Ceretherm Impactum
B-s1, d0 in:	Ceresit Ceretherm Classic, Ceresit Ceretherm Premium Ceresit Ceretherm Popular, Ceresit Ceretherm Wool Classic
A2-s1, d0 in:	Ceresit Ceretherm Wool Premium
Water absorption after 24 h:	$< 0.5 \text{ kg/m}^2$ acc. ETAG 004
Water vapour permeability:	$S_d \leq 1.0 \text{ m}$ acc. ETAG 004
Adhesion between layers after ageing:	$\geq 0.08 \text{ MPa}$ acc. ETAG 004
Assumed consumption:	
CT 79 1.5 mm	from 2.3 to 2.5 kg/m <sup>2</sup>
Shelf life/ Storage:	Up to 12 months since the production date when stored in dry cool conditions and in original undamaged packages.

**Protect against frost! Protect against direct sunlight!**

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.

The product possesses documents of reference:

- European Technical Approval (ETA) in systems:

Ceresit Ceretherm System	Popular	Classic	Premium	Impactum	Wool Classic	Wool Premium
ETA	08/0309	09/0014	08/0308	13/0086	09/0026	09/0037
Certificate	1488-CPR-0382/Z	1488-CPR-0439/Z	1488-CPR-0363/Z	1488-CPR-0407/Z	1488-CPR-0440/Z	1488-CPR-0375/Z
DoP	00426	00420	00428	00436	00424	00430

- Technical Approvals in Systems:

Ceresit Ceretherm System	Popular	Classic
TA	15-6894/2013 + Annexes	15-4397/2013 + Annexes
Certificate	ITB-0068/Z	ITB-0109/Z
DoC	00442	00440

Product complies with EN 15824:2010. External plasters on organic binders. Declaration of performance No 00268/01-07-2016.



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