CR 62

RESTORATION RENDER

Renovation plaster, specialized for historical buildings

CHARACTERISTICS

- High salt absorption and retention capacity
- Open to diffusion ("breathable")
- Hydrophobic – leaves the plaster surface dry
- Up to 40 mm layer thickness if applied in 2 coats
- Easy to apply
- Suitable for manual and machine application
- Complies with WTA Code of Practice*

SCOPE OF USE

Ceresit CR 62 can be used for making base renovation plasters 10-20 mm thick on damp and salt-containing partitions inside and outside the buildings. Recommended to be used on historical and other buildings subject to renovation. Reduces corrosion phenomena, prevents the formation of salt efflorescence and damp spots, allows to obtain a dry surface of building walls. It can be used for full-surface renovation, local repairs as well as filling cavities. Ceresit CR 62 renovation plaster can be used on substrates with low and medium degree of salinity in combination with Ceresit CR 60 and on substrates with high degree of salinity in combination with Ceresit CR 60 and Ceresit CR 61 renovation base plaster. Product is a part of Ceresit Restore restoration render system.

LAYER SELECTION

Before commencing work related to the application of the restoration render system, it is highly recommended to determine the degree of salinity of the substrate, which determines the layout and thickness of individual layers.

Ceresit Restore- restoration render system		
Degree of salinity acc. WTA	Layer arrangement	Layer thickness in mm
Low	CR 60	≤ 5
	CR 62	≥ 20
Medium	CR 60	≤ 5
	CR 61	10÷20
	CR 62	10÷20
High	CR 60	≤ 5
	CR 61	≥ 10
	CR 62	≥ 15

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SUBSTRATE PREPARATION

Ceresit CR 62 adheres to all solid, load-bearing, clean, dry and damp substrates, free of substances that may impair adhesion. The surface must be rough and porous to ensure good adhesion. Existing coats and old, damaged plasters must be completely removed up to a height of at least 80 cm beyond the damage zone (visible area of moisture penetration and salt deposition) down to the structurally sound masonry and let it dry. Replace any missing or damage bricks. Rake out loose mortar joints to a depth of approx. 20 mm and then fill with Ceresit CR 61 plaster. Traces of salt efflorescence should be removed with steel brushes. Apply mixed Ceresit CR 60 mortar wart-like up to 5 mm thickness with a surface coverage of approx. 50% of the full surface area. Ceresit CR 62 renovation plaster should be applied after the rough coat Ceresit CR 60 has hardened, at least after 24 hours, or on the base plaster Ceresit CR 61, depending on the adopted solution resulting from the salinity of the walls. Before CR 62 application pre-wet substrate until the surface is no longer absorbent and appears to be slightly dump.

APPLICATION

Pour the material into a pot with measured amount of approx. 4,9-5,4 l clean, cool water and mix with a low speed mixer until a homogeneous mass without lumps is obtained. After stirring leave material for 60 minutes maturing time and stir briefly again. The plaster prepared in this way should be used within 15 minutes. Ceresit CR 62 can also be prepared and applied with standard plastering machine. The addition of water depends on the machine type and the required consistency.

Application of Ceresit CR 62

The substrate for the renovation plaster can be Ceresit CR 60 rough cast or Ceresit CR 61 renovation base plaster (according to the layer arrangement point). First, deep cavities should be filled with Ceresit CR 61 base coat plaster (approx.. 24 hours after applying Ceresit CR 60 rough coat). After the mortar sets, Ceresit CR 62 plaster can be applied. The plaster should be applied in a layers with a minimum thickness of 10 mm. The applied layer of plaster should have the same thickness over entire surface. Maximum thickness of single layer: 25 mm. The total maximum thickness of renovation plaster applied in a maximum 2 layers could be 40 mm. Smooth the surface horizontally and vertically removing excessed material with a plasterer's float to produce a level finish. After initial setting time the surface can be textured in the desired way by rubbing (felting is not recommended). Wooden or polystyrene trowels should be used to finish the surface. It should not be done for too long or too intensively. At the same time, care must be taken that water doesn't appear on the surface of the plaster, as it may cause surface cracks when dry. Use Ceresit CR 64 Smoothing Plaster for producing a uniform surface with a decorative finish with a thickness up to 5 mm. But then fresh layer of Ceresit CR 62, to obtain good adhesion of smoothing plaster, need to be brush with a sharp broom and leave to harden. Protect freshly applied render from drying out too quickly and from weather conditions like driving rain and frost. It is assumed that drying rate of the renovation plaster is 1 mm per day in normal conditions (at 23°C and 50% air moisture content).

Finishing works

Depending on the desired texture, the plaster surface can be finished with Ceresit CR 64 Smoothing Plaster (after min. 5-7 days) and Ceresit CR 50 or Ceresit CR 55 renovation paint (after min. 2-3 weeks).

PLEASE NOTE

Refer in particular to the recommendations of the analysis of old plaster and renovation guidelines. Fresh residues can be removed with water, hardened material can only be removed mechanically. Use Ceresit CR 62 only in dry conditions and at temperatures of +5°C to +30°C and below 80% relative humidity. Do not mix with other materials, additives or binders. Do not use on gypsum-based substrates or cover with gypsum-based products. Do not use as protections of walls against ground moisture or ground water. All data given was obtained at an ambient and material temperature of +20°C and 65% relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed. Ceresit CR 62 contains cement and shows a strongly alkaline reaction with water. Therefore protect skin and eyes. If contact occurs, rinse thoroughly with plenty of water. In case of contact with eyes, obtain medical advice.
Chromium VI content - below 2 ppm during the shelf life of the product.
Keep out of reach of children. For professional users. Hazard notes/Safety advices/ Dangerous goods classification/waste disposal advices: See Material Safety Data Sheet on mymsds.henkel.com

STORAGE

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

PACKAGING

20 kg Paper bag with PE inlay.

TECHNICAL DATA

Material base:	Mineral, hydraulic-setting premixed dry mortar
Colour:	lite grey
Dry bulk density in hardened mortar:	1000±10% kg/m³ acc. PN-EN 998-1:2016
Mixing ratio:	4,9-5,4 l of water per 20 kg
Mixing time:	approx. 2-3 minutes+5 minutes maturing time+ 1 minute
Application temperature:	from +5°C up to +30°C
Working time:	up to 60 minutes
Compresive strength (category):	CS II acc. PN-EN 998-1:2016
Adhesion to substrate and with fracture pattern:	≥ 0,2 MPa FP:C acc. PN-EN 998-1:2016
Water absorption:	≥ 0,3 kg/m² after 24 h acc. PN-EN 998-1:2016
Determination of water penetration after water absorption (in mm):	≤ 5 mm acc. PN-EN 998-1:2016
Water vapour permeability coefficient μ:	≤ 15 acc. PN-EN 988-1:2016
Thermal conductivity $\lambda_{10,dry}$:	0,20 W/(m·K) acc. PN-EN 988-1:2016
Reaction to fire:	A1 acc. PN-EN 13501-1
Durability (freeze-thaw cycle resistance):	
–mass loss:	0%
–flexural strength decrease:	≤ 22%
–compressive strength decrease:	≤ 16% acc. PN-EN 998-1:2016
Fresh mortar consistency (Spread):	162 mm ± 5 mm acc. WTA 2-09-04/D
Raw density:	1150 ± 10 kg/m³ acc. WTA 2-09-04/D
Air content:	>25% acc. WTA 2-09-04/D
Water retention:	99% acc. WTA 2-09-04/D
Dry raw density:	< 1400 kg/m³ wg WTA 2-09-04/D
Compressive strength:	1,5 N/mm² acc. WTA 2-09-04/D
Bending tensile strength:	0,7 N/mm² acc. WTA 2-09-04/D
Strength ratio compressive to flexural:	< 3 acc. WTA2-09-04/D
Cappilary water absorption after 24 h:	>0,3 kg/m² acc. WTA 2-09-04/D
Water penetration (discs):	<5 mm acc. WTA 2-09-4/D
Water vepour permeability coefficient μ:	<12 acc. WTA 2-09-04/D
Porosity:	>40 % acc. WTA 2-09-04/D
Salt resistance:	resistant acc. WTA 2-09-04/D

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Processing during machine processing:	
- feed:	10 l/min
- nozzle diameter:	12-14
Consuption:	approx. 11 kg/m² per 1 m² at 1 cm thickness

Renovation mortar. Product complies with PN-EN 998-1:2016.
Declaration of Product nr 01789 issued 29.11.2022.

– Complies with the requirements of the WTA Code of Practice 2-9-04/D "Restoration plaster systems" issued by the Wissenschaftlich-Techniche Arbeitsgemeinschaft fur Bauwerkserhaltung und Denkmalpflege

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Ceresit CR 62
01789
EN 998-1:2016
1487
Renovation mortar

Reaction to fire	A1 Class
Water absorption	≥ 0,3 kg/m² after 24h
Water vapour permability μ	≤ 15
Adhesion	≥ 0,2 MPa FP:B
Thermal conductivity λ10,dry:	0,20 W/(m·K)
Durability (resistance to freezing and thawing)	– weight loos: ≤ 0% – change of flexural strength: ≤ 22% – change of compressive strength: ≤ 16%

Documents available on the website; https://www.henkel-dop.com

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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 +20 °C and 65% 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.

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