

CR 62

Repair plaster (WTA)

Mineral repair plaster especially
for damp interior and exterior walls containing salt

CHARACTERISTICS

- ▶ permits diffusion
- ▶ low tension
- ▶ hydrophobic pore sealing
- ▶ water-repellent
- ▶ pure mineral plaster

SCOPE OF USE

For producing repair plasters in accordance with Information Sheet 2-9-04/D "Repair plasters" issued by the Scientific-Technical Work Group for Monument Preservation and Structural Repair.

For producing dry walls and facades. For all-over plastering and repair work. Also suitable on problem surfaces with low strength, e.g. historical buildings.

For replacing damp, salt-containing plasters on the inside walls of cellars.

Not suitable for use on gypseous surface substrates.

Not suitable as waterproof plaster against ground moisture, surface water or seepage water.

For subsequent plastering work and in combination with subsequently produced horizontal sealings using CO 81 silicifying fluid.

For layer thicknesses of 10 to 30 mm.

SUBSTRATE PREPARATION

CR 62 adheres to all solid, load-bearing, clean, dry and damp surfaces free of substances which can cause separation. The surface must be rough, open-pored and have a good key.

Existing coats and old, damaged plasters must be completely removed up to at least 80 cm above the visible area of moisture penetration or efflorescence and down to the bearing wall material.

Scrape brittle mortar joints to a depth of approx. 20 mm.

Prewet brickwork and concrete so that the surface is no longer absorbent and has a matt damp appearance.



Prepare pneumatic mortar of a suitable consistency using CR 62 mixed with CC 81 and water (mixing ratio: CC 81 : water = 1 : 3) and throw onto the wall. Apply the mortar in a net-like pattern with only 50 % coverage. With mixed brickwork, porous bricks and sand-lime bricks apply the mortar with at least 5 mm layer thickness.

APPLICATION

Sprinkle CR 62 into clean, clear water and stir until completely free of lumps. Always mix the complete sack with approx. 9.5 l of water. When mixing by hand, observe a mixing time of approx. 3 minutes, then mix again.

It is possible to use plastering machines, in combination with a truck agitator.

The consistency can be adjusted by carefully adding a few milliliters of water. Approx. 24 hours after apply-

ing the pneumatic mortar, apply the plaster by machine or manually in a single layer of 20 to 30 mm thickness and smooth over. Scraped joints must first be filled with CR 62.

For plaster repairs observe a minimum layer thickness of 20 mm.

After smoothing the mortar, rub it over but do not felt finish. Make sure that no water or binding agent accumulates on the surface – danger of cracking. Do not work the surface too intensively or too long. If CR 62 is used for repair work and applied as leveling rendering, the plaster surface must be combed up with a stiff broom.

Protect the fresh plaster against too rapid drying. If necessary, keep moist for 24 hours. After the plaster has hardened and thoroughly dried (after 28 days at the earliest), use only wall coverings or coatings which are highly capable of diffusion. For subsequent wall-papering we recommend to apply a 5 mm layer of lime cast or lime cement mortar (MGP IIb).

PLEASE NOTE

Use CR 62 only in dry conditions and at temperatures of +5 °C to +30 °C.

Do not mix with other aggregates, additives or binders. Do not cover with gypseous materials.

CR 62 contains cement and produces an alkaline reaction with water. Therefore protect skin and eyes. If contact occurs, rinse thoroughly with water. In case of contact with the eyes obtain medical advice.

Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

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

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TECHNICAL DATA

Base:	Mineral, hydraulically binding, ready-mixed dry mortar (chromate-reduced)
Bulk weight:	approx. 1.0 kg/l
Mixing ratio:	approx. 9.5 l of water for 25 kg
Mixing time:	approx. 3 minutes
Application time:	approx. 45 minutes
Application temperature:	+5 °C to +30 °C
Bulk density: (DIN 18555 T3)	approx. 1.0 kg/l
Compressive strength: (DIN 1164)	2.0 - 4.0 N/mm ² after 28 days
Bending tensile strength: (DIN 1164)	1.0 - 2.0 N/mm ² after 28 days
Capillary water absorption w ₂₄ : (DIN 52 617)	approx. 3.9 kg/m ²
Thermal conductivity:	approx. 0.24 W/m · K
Water vapour diffusion resistance μ: (DIN 52 615)	approx. 8
Percentage of air voids: (DIN 18 555, part 2)	approx. 30 %
Amount required:	approx. 8.5 kg/m ² per cm plaster thickness (1 kg dry mortar yields approx. 1.2 l wet mortar)
Colour:	grey-beige.
Storage:	shelf life approx. 6 months in a dry and cool place. Use up opened sacks as quickly as possible.

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.

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