

FIX CEMENT

- > chloride-free
- > quick hardening
- > for rapid fixing
- > high early strengths



Product description

Powdery, chloride-free, quick hardening, crack-resistant, hydraulically setting natural rapid cement for works in building construction and civil engineering.

Indoors and outdoors as well as in permanently wet areas, for anchoring, fastening, levelling and installation work. For quick installation of gas, water, heating and electrical installations, for transferring dowels, door frames, handrails and washbasin consoles, as well as for improving and filling holes, cavities and cracks in concrete elements.

Delivery format:

Container	Outer packaging	Pallet
15 KG / KE		36
7,5 KG / KE		65
25 KG / PS		60

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 180 days

Processing

Recommended tools:

Suitable mixing vessel (rubber beaker, plastic bucket, etc.), brick trowel, smoothing trowel, spatula, agitator.

Mixing:

Parts by volume sections (RT) in a clean mixing vessel by stirring into the water until a homogeneous and lump-free blend is obtained (mixing time approx. 1 minute).

Mortar:

normal mixing: 1 RT (fixed cement), 1 RT (sand/gravel), 0.3 - 0.5 RT (water)

higher loads: 2 RT (FC), 1 RT (S/G), 0.3 - 0.5 RT (W)

Mortar for natural stone slabs:

normal mixing: 1 RT (FC), 1 RT (S/G), 0.5 RT (W)

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Concrete and Screed Technology

Concrete:

normal mixing: 25 kg (FC), 50 l (S/G), 8 - 12 l (W)

higher loads: 25 kg (FC), 30 l (S/G), 7 - 10 l (W)

Processing:

Process the mixed mortar quickly, depending on the usage (5 minutes). After a short time, the hardened surface can be ground smooth. The setting time can be extended by adding quartz sand.

Technical data

Density	approx. 2.9 kg/dm ³
Consumption	1.7 kg yields approx. 1 litre of fresh mortar
Bulk density	approx. 0.9 g/cm ³
Processing time	approx. 5 min.
Water consumption	approx. 0.33 l/ kg (= 33 %)
Setting begins	bei 10°C nach 4 Min.; bei 20°C nach 2 Min.; bei 30°C nach 1 Min.
Festigkeiten	at 10 °C after 4 min.; at 20 °C after 2 min.; at 30 °C after 1 min. 0.25 hrs - 5.5 MPa; 1 hr. - 7 MPa; 3 hrs. - 9 MPa; 24 hrs. - 15 MPa; 7 days - 23 MPa; 28 days - 32 MPa; 90 days - 40 MPa; 365 days - 52 MPa

Substrate

Suitable substrates:

The substrate meets the requirements of the OVBB Guideline – Conservation and Rehabilitation of Concrete and Reinforced Concrete Structures. Furthermore, the substrate must be load-bearing and free of similar and dissimilar substances as well as substances that have a separating effect, corrosive media, such as chlorides, and must be pre-wetted for at least 12 hours before restoration until capillary saturation. Adhesive tensile strength at least 1.5 N/mm². Compressive strength at least 25 N/mm².

Suitable on all kinds of standard, mineral substrates, such as masonry, stone, screed and plaster.
Not suitable on non-absorbent, water-repellent substrates, wood, plastic, metal.

Product and processing instructions

Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

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Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Please refer to safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

Breathing protection: not required.

Hand protection: protective gloves.

Glove material

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer. As the product is a preparation made up of many materials, the resistance of glove materials cannot be predicted in advance and must therefore be checked before use.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: protective goggles.

Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.