MHK-S

Mineral coving mortar fast

quick-mix
A trademark of sievert

Fast-curing, adhesive special mortar for watertight hollow grooves in soil-contaminated areas

standard plastering mortar GP CS IV acc. EN 998-1

- frost-resistant
- Processing time: approx. 20 minutes

APPLICATIONS

- for the production of watertight fillets
- For scratch filling on masonry and concrete
- As rear moisture protection and intermediate waterproofing against moisture acting from behind in accordance with DIN 18533 in the area of basement exterior waterproofing made of PMBC and FPD.
- as filling and filling and plastering mortar from 3 to 50 mm
- for external and interior use

PROPERTIES

- capillary inactive
- fibre-reinforced
- Very low shrinkage
- Very rapid strength development, even at low temperatures
- Self-crystallisation leads to high adhesive pull values on dry and moist mineral substrates
- Consistency adjustable by adding water

COMPOSITION

- cement in accordance with DIN EN 197-1
- graded stone aggregates in accordance with DIN 13139
- Additives for hydrophobising
- Fibrefillers
- HS-Puzzolane

SUBSTRATE

Suitable substrates	■ mineral-bound substrates ■ Concrete ■ masonry
Properties/tests	■ For assessing the plaster primer, VOB/C DIN 18350, Section 3, DIN EN 13914-1/13914-2 as well as the plaster standard DIN 18550-1/18550-2 should be observed. ■ The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
Pretreatment	■ Old plaster residue over hollows, crumbly grout mortar or other loose parts must be completely removed using suitable measures.

Technical data sheet status: 17.01.2025
Sievert Baustoffe SE & Co. KG | Mühleneschweg 6 | 49090 Osnabrück
Tel +49 541 601-01 | Fax +49 541 601-853 | www.quick-mix.de | info@quick-mix.de

MHK-S

Mineral coving mortar fast

quick-mix
A trademark of sievert

PROCESSING

Temperature	■ Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.
Mixing / Preparation / Processing	■ When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water. ■ To achieve a slurry consistency, add approx. 0.5 litres of mixing water per 25 kg bag. ■ Mix material homogeneously and without lumps with a suitable agitator. ■ The mixing time is approx. 2 minutes. ■ Do not mix with other products and/or other substances.
Processing	■ Creation of coving: At all internal corners and wall/floor connections, coving must be carried out with a radius of 40 - 60 mm. In the case of unrendered masonry, joint depths > 5 mm must be closed in advance with quick-mix MHK-S. After approx. 50 minutes, the coving can be reworked. Critical areas such as coving, foundation slabs or wall/floor connections must be protected against moisture acting from behind. ■ Processing as filling, tamping and plastering mortar: Apply the material in the layer thickness required for levelling. To improve adhesion, quick-mix MHK-S is applied as a slurry in the first working step. The mortar can then be applied fresh in fresh in the required layer thickness with trowel and smoother. After approx. 50 minutes, subsequent coats can be applied.
Processing / Working time	■ Approx. 20 minutes at +20 °C and 65 % relative humidity. ■ The stated times apply for a temperature of +20°C and relative humidity of 65%. ■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
Drying / Hardening	■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil. ■ Before the application of subsequent coatings, the mortar must be dried evenly. ■ A revision is possible after approx. 50 minutes.
Cleaning the tools	■ Clean all tools and equipment with water immediately after use.

PACKAGING

■ 25 kg/sack

STORAGE

■ Store dry and as per instructions.
■ can be stored in sealed original container/bag for at least 6 months from manufacturing date

QUANTITY REQUIRED / YIELD

■ Consumption:
approx. 2 kg/lfm cove
approx. 1.25 kg/m² per mm layer thickness
■ The amount used depends on the condition of the substrate and on the application method. Determine the exact amount by means of a test application on the building.

MHK-S

Mineral coving mortar fast

quick-mix
A trademark of sievert

TECHNICAL DATA

Product type	standard plastering mortar GP
Category	CS IV
Compressive strength	≥ 13 N/mm²
Grain	0 – 1 mm
Water requirement	approx. 4,5 l per 25 kg/sack
Set mortar bulk density	approx. 1.3 kg/dm³
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Adhesive tensile strength	≥ 0.08 N/mm²
Capillary water absorption	W_c2 according to EN 998-1
Water vapour permeability μ	5/20 (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.45 W/(mK)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0,49 W/(mK)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

SAFETY AND DISPOSAL INSTRUCTIONS

Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Follow further instructions in the safety data sheet.

GISCODE

- ZP1 (products containing cement, low-chromate)

Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.