MSP

Mineral barrier plaster

Mineral plaster with water stop effect up to 0.5 bar in area in contact with earth

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

- frost-resistant
- preparation time: approx. 2 hours

APPLICATIONS

- for producing waterproof plaster and grooves
- as waterproof plaster predominantly for use in restoration and renovation
- as a vertical barrier below the soil surface
- as a wall-base plaster on normal and heavy-duty masonry made of stones of strength class 6 and higher
- to meet the requirements of building waterproofing, additionally tested sealants (sealing slurries, bituminous sealants) must be used
- for external and interior use

PROPERTIES

- mineral
- good sealing effect
- suitable for machine application
- frost-resistant and water-resistant after hardening

COMPOSITION

- cement in accordance with DIN EN 197-1
- graded stone aggregates in accordance with DIN 13139
- Additives for hydrophobising
- additives for regulating and improving workability and product properties

SUBSTRATE

Suitable substrates	■ normal and heavy 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. ■ Damaged stones must be replaced. ■ Repoint joints and uneven areas with quick-mix SAN-S waterproof plaster, roughen and allow to cure. ■ Pre-wet highly absorbent substrates.

Technical data sheet status: 21.07.2022
Sievert Baustoffe GmbH & Co. KG | Mühleneschweg 6 | 49090 Osnabrück
Tel +49 541 601-01 | Fax +49 541 601-853 | www.quick-mix.de | info@quick-mix.de

MSP

Mineral barrier plaster

quick-mix

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	■ Suitable for processing by hand, or with conventional plastering machines. ■ When machine-processing: Adjust the amount of water accordingly to obtain a workable consistency. ■ If the work is interrupted for longer periods, then clean the plastering machine and mortar hoses. ■ 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. ■ use a suitable agitator to mix the material until smooth and free of lumps. Leave to rest for a moment and then mix again, adding more water, if required, to achieve the right consistency for applying. ■ Do not mix with other products and/or other substances.
Applying	■ **Processing as a waterproof plaster:** ■ A pre-spray plaster must not be applied. To improve adhesion, quick-mix SAN-S is applied as an adhesive layer in a thickness of approx. 8-10 mm and thoroughly roughed up. The subsequent minimum plaster thickness of the base plaster is 10 mm. ■ In case of total plaster thicknesses of more than 15 mm, it is recommended to process in several layers. When doing so, an adequate interim rest time for the base plaster of approx. 2-3 days is to be observed. ■ When applying in several layers, the previous layer must be well roughed up. ■ **Creating grooves:** ■ The substrate must be dry on the surface. During the construction phase, no water must get between the substrate and waterproofing. Critical areas such as grooves, foundation slabs or wall/floor joints are to be protected against moisture acting on the back with mineral sealing slurries. Grooves are to be made in a radius of 40-60 mm on all internal corners and wall/floor joints. In case of unplastered masonry, joint depths > 5 mm are to be sealed beforehand with a suitable mortar.
Processing / Working time	■ approx. 2 hours ■ 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. ■ To prevent the plaster from drying out too quickly at higher temperatures, the plastered area should be kept moist for at least three days. ■ Before applying the finish plaster, you must wait at least 1 day per mm of plaster thickness. ■ Formed as a groove, can be gone over after a rest time of at least 7 days.
Cleaning the tools	■ Clean all tools and equipment with water immediately after use.
Notes	■ In interior rooms, start up the heating system slowly to increase the room temperature gradually.

PACKAGING

■ 30 kg/sack

STORAGE

■ Store dry and as per instructions.

MSP

Mineral barrier plaster

QUANTITY REQUIRED / YIELD

- consumption:
  approx. 16 kg/m² per 10 mm plaster thickness
  approx. 1-1.5 kg/running metre groove (radius 60 mm)
- yield: app. 19 l fresh mortar per 30 kg/sack
- 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.

TECHNICAL DATA

Product type	standard plastering mortar GP
Category	CS IV
Compressive strength	≥ 10 N/mm²
Grain	0 – 4 mm
Water requirement	approx. 5.0 l per 30 kg/sack
Set mortar bulk density	approx. 1.6 kg/dm³
Fire behaviour	A1
Adhesive tensile strength	≥ 0.08 N/mm²
Capillary water absorption	W_c2 according to EN 998-1
Water vapour permeability μ	15/35 (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.82 W/(mK)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0,89 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).

MSP

Mineral barrier plaster

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.