

MDF

Mineral sealing slurry, flexible

quick-mix
A trademark of **sievert**



Mineral, crack-filling, flexible, single-component sealing slurry

- with general building regulations test certificate P-1201/516/16 MPA-BS
- can be overpainted with façade colours



APPLICATIONS

- for waterproofing of exterior wall surfaces in contact with earth and concrete base slabs exposed to earth moisture and non-pressing water (according to DIN 18533 W1-E)
- for cross-section waterproofing and moisture protection against spray and seepage water at the wall base joint (according to DIN 18533 W4-E)
- for sealing tanks and basins in solid construction according to DIN 18535 indoors and outdoors in water impact class W2-B up to 6 m water depth, crack class R0-B and R1-B, location S1-B and S2-B
- as building waterproofing in the area in contact with the soil according to general building authority test certificate
- for the interior waterproofing of basements with negative water pressure
- for walls and floors
- for external and interior use

PROPERTIES

- single-component
- consistency: can be made spreadable, fillable or sprayable
- quick-drying
- universal use
- crack-bridging
- permanently elastic
- impermeable after hardening
- compatible with silicone
- water-vapour permeable
- malleable and stress-dispersing
- frost resistant
- age-resistant

COMPOSITION

- cement-containing, polymer-enhanced binder
- mineral additives according to DIN EN 13139

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SUBSTRATE

Suitable substrates

- Concrete, lightweight concrete, aerated concrete
- flush-jointed masonry
- Lime cement plasters and cement plasters
- Cement screeds, heated and unheated

Properties/tests

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- The residual moisture for cement screeds must be 2.0 CM % maximum.
- Concrete must be at least 3 months old according to DIN 18535 - Sealing of tanks and basins in solid construction.

Pretreatment

- Carefully remove adhesion-reducing layers and contamination, e.g. dust, sinter layers, efflorescence or release agent residue, using suitable measures.
 - Bumps, flaws, gravel pockets and cavities in the area being coated are to be filled evenly with mineral filling compound. Carefully remove ridges and loose parts.
 - Edges are to be broken and coving is to be carried out with a suitable mortar, e.g. quick-mix SAN-S Sperrputz or akurit UNI-SD Universal Sockel-Dicht, in a radius of 40 to 60 mm.
 - Pre-treat highly absorbent substrates with suitable deep primer.
 - Pre-wet substrate evenly, matt damp.
 - On non-absorbent substrates, a scratch filler is to be applied beforehand with quick-mix MDF.
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PROCESSING

Temperature	<ul style="list-style-type: none">■ Do not use or allow to dry and harden in air, material or substrate temperatures of less than +5°C, in the case of expected night time frost or at temperatures of over +25°C, in direct sunlight, extremely heated substrates and/or in strong wind.
Mixing / Preparation / Processing	<ul style="list-style-type: none">■ Use a suitable agitator to mix the material until smooth and free of lumps. Leave to develop for a moment and then mix again.■ Maturing time: approx. 3 minutes■ Working consistency: spreadable, trowelable or sprayable■ The mixed product can be pumped and sprayed using conventional delivery pumps.■ Do not mix with other products and/or other substances.
Applying	<ul style="list-style-type: none">■ Apply material evenly and fully on the substrate with a suitable tool, e.g. a firm brush, wall brush, trowel or by spraying in 2 to 3 work stages in a spreadable consistency approx. 1-2 mm or in a trowelable consistency approx. 2-3 mm. The first application is done by spreading with a brush, whereby the sealing slurry must be applied intensively and evenly to seal the surface.■ Between the work stages, depending on weathering, a drying time of approx. 3 hours is to be complied with (at +20 °C and 50% relative humidity).■ The following application may only be done once the previously applied layer is sufficiently firm.■ Depending on the application, the dry layer thickness must be at least 2 mm (corresponds to approx. 2.5 mm wet layer thickness) or 2.5 mm (corresponds to approx. 3.5 mm wet layer thickness) up to a maximum of 5 mm according to abP.
Processing / Working time	<ul style="list-style-type: none">■ Approximately 1 hour■ Timings relate to +20°C and 50% relative humidity.■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
Drying / Hardening	<ul style="list-style-type: none">■ If the weather conditions are unfavourable (e.g. driving rain, frost, strong sunlight and/or winds), then suitable protection measures must be taken, particularly in the case of freshly coated surfaces.■ The building waterproofing must be protected from damage by means of subsequent work, e.g. by protection or drainage panels, films or the like. Before applying protective layers, the coating must be completely dried out. Punctiform and linear loads are to be avoided.■ Can be loaded with water at the earliest after 7 days.
Subsequent coating / Suitability for coating	<ul style="list-style-type: none">■ Outdoors, the sealing slurry must be completely dried out before applying protective layers or filling in the soil (approx. 1-3 days depending on the weather). When it comes to filling material, make sure that no water-binding soils (loam) comes up against the sealing surface. With this type of soil, introduce an approx. 50 cm-wide area in front of the waterproofing with water-permeable filling material in layers. The coating must have sufficiently set before filling and be adequately protected (trowelling plaster, protection and drainage panels etc.). Avoid punctiform and linear loads.■ The product can be painted over with facade paints suitable for the base joint area.■ The waterproofing is to be protected against damage by means of protective/wear layers according to DIN 4095 or DIN 18533 / DIN 18535.■ For plastering with wall-base plasters, the fully dried out sealing slurry must be prepared with a suitable mineral bonding bridge.
Cleaning the tools	<ul style="list-style-type: none">■ Clean all tools and equipment with water immediately after use.
Notes	<ul style="list-style-type: none">■ For structural waterproofing work, the current DIN 18533, DIN 18535 and the "Guideline for the Planning and Execution of Waterproofing of Building Components with Mineral Waterproofing Slurries", published by Deutsche Bauchemie e.V., must be observed.■ The waterproofing is to be protected against damage using suitable measures.

PACKAGING

- 20 kg/sack



STORAGE

- Store sacks appropriately and in dry conditions on pallets.
- Can be stored in sealed container/bag for at least 9 months from manufacturing date.

QUANTITY REQUIRED / YIELD

- consumption: approx. 1.2 kg/m² per mm dry layer thickness

TECHNICAL DATA

Processing temperature	+5°C to + 25°C
Maturation time	approx. 3 minutes
Processing time	approx. 1 hour
Walkability	after approx. 24 hours
Minimum dry layer thickness	Water exposure class W1-E and W4-E: 2.0 mm Water exposure class W2-B: 2.5 mm
Crack bridging class	RÜ1-E according to DIN 18533
Set mortar bulk density	approx. 1.5 kg/dm ³
Water vapour diffusion resistance μ	ca. 500

All data are average values which have been obtained under laboratory conditions in accordance with relevant test standards and application trials at +20°C and 50% relative humidity. Deviations are possible under practical conditions.

SAFETY AND DISPOSAL INSTRUCTIONS

Safety	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ ZP1 (products containing cement, low-chromate)
Disposal	<ul style="list-style-type: none">■ Dispose of the material in accordance with the official regulations.■ Completely empty and recycle the packaging.

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. 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.