

STRUCTURAL SEAL 2K BF



- > bitumen-free
- > mineral
- > crack bridging
- > can be painted and plastered over



Product description

Two-component, bitumen-free, solvent-free, highly flexible, crack-bridging sealing compound for components in contact with the ground to protect against moisture. Tested as mineral sealing sludge for structural seals as per the applicable test principles.

Indoors and outdoors for manual production of permanent, flexible seals of structures in contact with the ground, for use on horizontal and vertical areas. For adhesion of perimeter insulation panels on bituminous and mineral substrates in contact with the ground.

For jointless sealing of wall and floors areas under the ceramic cover in showers, bathrooms, on terraces and balconies as per EN 14891.

Delivery format:

Container	Outer packaging	Pallet
25 KG / EH		12
8,32 KG / EH		39

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

Processing

Recommended tools:

Brick trowel, smoothing trowel, spatula, notched trowel, sprayer.

Processing:

Hollow profiles must be formed in corners of wall projections, light shafts, sections and in wall/level areas. Bitumen cover coatings can be damaged by the effect of water on their rear during the building phase.

Processing is dependent on the corresponding water requirements of the building object.

Thus it must be

ensured that the existing load case is clearly specified by the planner before starting work.

Do not process if frosty or if there is a chance of rain.

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Sealing Technology

For seals against ground moisture and non-standing seepage water (DIN 18195 – Part 4), you may apply while still wet (fresh in fresh).

For seals as per DIN 18195 Part 5 and 6, the first sealing layer must have dried enough before application of the second layer so that it is not damaged by the new the application.

For seals against standing seepage or ground water (DIN 18195 Part 6), the first sealing layer is to be worked fully into a reinforcing layer (glass fibre mesh).

As per DIN 18195, hollow profiles are to be formed before surface sealing.

Ensure proper execution of the seal in the area of joints, connections and finishes as well as penetrations.

The fresh coating is to be protected against rain and strong sunlight.

Protect the seal against damage. Protection and drainage layers may only be applied after complete drying of the sealing layer. The provisions of DIN 18195 Part 10 are to be observed while doing so.

Suitable protective layers are, for example, plastic dimpled membranes with sliding film and filter fleece as well as thermal or bituminous bound seepage panels.

Subsequently the excavation pit can be filled. Only material in accordance with DIN 18195, Part 10 should be used in order to avoid damage to the sealing and protective layer.

Post-treatment:

The coating is rain-proof after 3 hours.

Technical data

Density	approx. 1.3 g/cm ³
Colour	blue-green
Consumption	depending on load case: approx. 3 - 4 kg/m ² per layer: approx. 1.5 - 2 kg/m ²
Mixing ratio	1 : 1
rainproof	after approx. 3 hrs
Layer thickness	wet layer thickness: approx. 2.3 mm / dry layer thickness: approx. 2
Processing time	approx. 45 min.
Panel bonding	after approx. 12 hrs
Panel bonding consumption	approx. 1.5 kg/m ²
Water vapour diffusion resistance	μ-value approx. 500

Test certificates

Tested in accordance with (standard, classification ...)

EN 14891

gemäß den Prüfgrundsätzen zur Erteilung von allgemeinen bauaufsichtlichen Prüfzeugnissen als eine mineralische Dichtungsschlämme für Bauwerksabdichtungen (PG-MDS)

Substrate

Suitable substrates:

The substrate is load-bearing and free of intrinsic and foreign substances as well as substances that have a separating effect, burrs or sharp edged unevennesses and soil. Defects such as cavities, masonry joints, mortar pockets, gravel pockets up to 5 mm depth can be levelled out via scratch coating. Deeper defects are levelled out with suitable reprofiling mortar. The substrate may be moist but not wet.

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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!

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.

Breathing protection:

- Wear breathing protection in case of inadequate ventilation.
- Filter P2.

Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- 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.

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: tightly sealed 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.