

## Bituminous Coating 1K EXPRESS



- > ready for processing
- > quick reacting
- > sprayable



### Product description

High quality, single-component, polystyrene-filled, quick-reacting, plastic-tempered bitumen cover coating. 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.

### Delivery format

Container	Outer packaging	Pallet
32 L / KE	-	12 KE

### Storage

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

### Processing

#### Recommended tools

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

#### Processing

Apply to the substrate undiluted with a suitable tool. Clean the tools with water after use. 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.

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 DIN18195 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 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. 0.8 g/cm <sup>3</sup>
Consumption	Insulation panel adhesion: approx. 2.0 l/m <sup>2</sup> Ground moisture / non-standing seepage water: 3.5 - 4.0 l/m <sup>2</sup> (DIN 18195-4) Non-pressurized water (horizontal): 3.5 - 4.0 l/m <sup>2</sup> (DIN 18195-5) Standing seepage water: 4.5 - 5.0 l/m <sup>2</sup> (DIN 18195-6)
Layer thickness	2 - 3 mm per work step
rainproof	after approx. 3 hrs as per EN 15816
Recoatability	after approx. 24 hrs
Completely dry	min. 2 days depending on temperature, humidity, layer thickness
Water vapour diffusion resistance	μ-value approx. 8500

## Test certificates

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

Bauregelliste A Teil 2 lfd. Nr. 2.39 zum Einsatz entsprechend DIN 18195 Teile 4 bis 6

## 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.

### 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.

##### Breathing protection: not required.

##### Hand protection: gloves made from thick material.

##### 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.

##### 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 recommended when decanting.

##### Body protection: protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

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](http://www.murexin.com).