INJECT EP BS 3

> Low viscosity
> High final strength
> To improve the compressive strength of stone and brick masonry
> To increase the load-bearing capacity of masonry

Product description

Murexin Inject EP BS 3 is a 2-component, low-viscosity epoxy resin for the surface injection of stone and brickwork to improve the compressive strength and increase the load-bearing capacity. The low viscosity enables a high depth of penetration into the structures of the masonry and leads to a strong and hard solidification of the structure.

Delivery format

Container	Outer packaging	Pallet
20 KG / BLE	-	16 BLE
10 KG / BLE	-	42 BLE

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

Processing

Mixing
Inject EP BS 3 is delivered in pre-measured containers of comp. A: 20 kg and comp. B: 10 kg (30 kg unit).
Stir component A thoroughly using a slower-rotating electric mixer (approx. 300 rpm), then add component B and continue mixing until a homogeneous, streak-free consistency is achieved (approx. 2-3 minutes).
Decant (repot) the mixed material into a clean, dry container and stir again thoroughly.
When mixing partial amounts, weigh the components with a scale.
Avoid stirring in air.

Processing
Inject EP BS 3 is injected under pressure into grid-like boreholes using packers in accordance with the planning and specifications of the structural engineer. Cracks and openings from which resin could escape must be sealed with Murexin Epoxy Adhesive EK 30. Injection takes place from the bottom up. The packing and any insulation must be removed after the injection work is completed.

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Technical data

Chemical base	2-component epoxy resin
Density	Component A: ~ 1.11 kg/litre Component B: ~ 1.04 kg/litre Mixture: ~ 1.1 kg/litre
Viscosity	Mixture: ~ 370 mPa*s
Consumption	Consumption depends on the condition of the masonry to be consolidated.
Mixing ratio	A:B = 2:1
Processing time	Initial material temperature +10 °C: ~ 70 minutes Initial material temperature +23 °C: ~ 30 minutes Initial material temperature +30 °C: ~ 20 minutes
fully load-bearing	After 7 days
Object and material processing temperature	min. +5 °C / max. +30 °C
Substrate temperature	min. +5 °C / max. +30 °C

Substrate

Suitable substrates

According to masonry analysis and specifications of the planner/structural engineer.
The masonry must be dry. The substrate must be checked for reaction-interfering substances by means of test injections.

Product and processing instructions

Material instructions:
- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.- Bring materials to the correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts or dilution instructions must be precisely adhered to!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- Colouration is significantly affected by environmental conditions.
- Mixed material that has already started to stiffen may not be diluted further and replaced with fresh material!

Environmental information:
- Do not process at temperatures below + 5 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40 % to 60 %.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!

Tips:
- We highly recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system must not be switched on during the processing and hardening.

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.

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Safety instructions

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.

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