

BONDING EMULSION HE 20

- > high adhesion effect
- > adhesion enhancing
- > simple processing
- > indoors and outdoors



Product description

Universal improvement agent based on an alkali-resistant, plasticiser-free polymer. Improves adhesion, disperses tension by raising the elasticity, reduces the water penetration depth, raises the water retention capacity and improves processability.

Indoors and outdoors for producing bonding sludge, as additive for mortar and concrete, as primer as well as adhesive bridge for levelling compounds, etc.

Delivery format:

Container	Outer packaging	Pallet
1 KG / KFL	6	378
5 KG / KKA		96
25 KG / KKA		24

Storage:

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

Processing

Processing:

Combining old and fresh concrete or mortar:

On clean substrate, the adhesive emulsion is applied undiluted or thinned up to 1 : 1 with water and brushed in. The fresh concrete or mortar, the mixing water of which 20% adhesive emulsion, is added to the still sticky film. For thin layers and on very smooth, absorbent substrates, we recommend applying a bonding sludge from 1 part bonding emulsion + 20% cement and processing the fresh concrete/mortar wet in wet.

Bonding of screeds:

The addition of 20% bonding emulsion to the mixing water increases the bending tensile strength and reduces the risk of tension cracks.

Adhesive bridges for levelling compounds:

For improved adhesion of levelling compounds, repair mortars etc., the substrate is to be pre-treated with bonding emulsion diluted in 1:1 ratio with water. The subsequent application of the levelling compound must always take place wet in wet.

Post-treatment:

Freshly produced mortars, screeds, plasters etc. are to be protected from drying too quickly via suitable measures.

Technical data

Density	approx. 1.00 g/cm ³
Viscosity	11 sec (DIN 4)
Consumption	approx. 20% of the mixing water
pH value	ca. 6,5
Processing temperature	above +5 °C

Substrate

Suitable substrates:

The substrate meets the requirements of the OVBB Guideline – Conservation and Rehabilitation of Concrete and Reinforced Concrete Structures. Furthermore, the substrate must be load-bearing and free of similar and dissimilar substances as well as substances that have a separating effect, corrosive media, such as chlorides, and must be pre-wetted for at least 12 hours before restoration until capillary saturation. Adhesive tensile strength at least 1.5 N/mm². Compressive strength at least 25 N/mm².

Suitable on all kinds of standard, mineral substrates

Not suitable on wood, plastic, metal, water-repellent substrates.

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.

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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: protective gloves.

Glove material

- Nitrile rubber
- Butyl rubber

- 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

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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.