BONDING EMULSION HE 20

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

Product description

Universal improvement agent based on a 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
25 KG / KKA	-	24 KKA
5 KG / KKA	-	96 KKA
1 KG / KFL	6	378 KFL

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

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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/cm³
Viscosity	11 sec (DIN 4)
pH value	ca. 6,5
Consumption	approx. 20% of the mixing water
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.

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- 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 temper
atures 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: 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

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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