SPECIAL ADHESIVE X-BOND MS-K 88 EXPRESS

> extremely high initial adhesion
> very good adhesion without priming
> permanently elastic with extremely high adhesive force
> combination bonding with various materials

Product description

High-quality elastic 1-component adhesive, based on the latest developments in MSP technology. The product is water-, solvent-, silicone-, isocyanate- and halogen-free, can be re-coated and is UV- and weatherproof. X-Bond MS-K88 is permanently elastic and prevents the transmission of adverse forces to the substrate.
Universally usable, strongly adhesive sealant and adhesive for absorbent as well as for smooth, nonabsorbent surfaces. Indoor and outdoor application:
- As building adhesive for insulating material such as styrofoam, mineral wool on concrete, glass, brick and metal. Also well suited for adhesion of Murexin Uniplatte.
- For gluing ceramics, tiles, stone, window sills, wood and parquet on the most diverse of substrates.
- For combination adhesion of metals, concrete, stone etc. and different materials (test adhesion recommended).
- The surface can be pre-wetted with water to accelerate setting.
- Further areas of application: container building, ventilation and air-conditioning construction, sandwich construction, acoustic, lightweight and dry construction, shipbuilding, vehicle and cab building, rail vehicles, advertising technology, sheet metalworking.
- Suitable for underfloor heating systems.
- Not suitable on bituminous materials or polypropylene.

Delivery format

Container	Outer packaging	Pallet
290 ML / KTU	12	1200 KTU

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

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Processing

Recommended tools
sealant gun, pressure gun, cartridge press
Processing
During processing, the sealing and adhesive compound is to be applied to the substrate with the tool suitable for the usage purpose. Working time is approx. 5 - 10 minutes. Press firmly onto the materials to be bonded, or apply with a mallet.
Curing takes place at low temperatures.

Post-treatment:
The material must be protected from mechanical stress until it has fully hardened. After complete hardening, visible joints can be re-processed with commercially available latex or lacquer paints. When reworking with interior dispersions or facade paints, prime the joint beforehand with DX9 (undiluted). The substrate and the temperature of the adhesive must remain above 5 °C for the duration of the bonding and curing processes. The relative air humidity should lie between 35% and 90%. All tools and processing accessories are to be immediately cleaned with rubbing alcohol or R 500 cleaning cloths. Hardened adhesive residue can only be removed mechanically.
The product is not suitable on PPR, plexiglass, Teflon, bitumen or waxy substrates. Not suitable for aquarium constructions. Product may yellow.

Technical data

Chemical base	MS polymer
Colour	white
Working time	approx. 10 min.
Tensile strength	2,2 N/mm² (DIN 53504)
Shore D hardness	approx. 58
Elongation at break	335% (DIN 53504)
Temperature resistance	-40 °C to +100 °C in hardened state
Processing temperature	+5 °C to max. +40 °C
Consistency	stable as paste
Specific weight	1,57 g/cm³
Permissible elasticity	+/- 20%
Module 100%	1,4 N/mm² (DIN 53504)
Coating compatibility	provided after hardening

Substrate

Suitable substrates
Standard mineral substrates
Cement screeds and concrete floors
Calcium sulphate screeds
Wooden substrates
Dry screeds
plastered substrates

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The substrate must be dry, free of frost, solid, load-bearing, dimensionally stable and free of dust, dirt, oil, grease, solvents and loose parts and correspond to the applicable technical national and European guidelines, standards as well as meet the "generally accepted rules of the trade".

Product and processing instructions

Material advice:
- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.
- The adhesive contents may cause damaging interactions with the surface treatment materials.

Environmental advice:
- Do not process at temperatures below +15°C!
- The ideal temperature range for material, substrate, and air is +15°C to +25°C.
- The ideal 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 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.

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

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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