

PRODUCT DESCRIPTION

RS-BOND is a high-quality elastic single-component adhesive. It is water, solvent, silicone, isocyanate and halogen-free, can be re-coated and is UV and weatherproof. RS-BOND is permanently elastic, relieves shear forces and prevents the transmission of adverse forces to the substrate.

Universally usable, strong adhesive sealant and adhesive for absorbent as well as smooth, non absorbent surfaces.

Indoor and outdoor application: as building adhesive for insulating material such as styrofoam, mineral wool on concrete, glass, brick and metal. RS- BOND is also well suited 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). Non-absorbent surfaces, i.e. where both materials are non-absorbent, are to be at least wetted with water beforehand.

RS-BOND is suitable for underfloor heating systems. Further areas of applications include: container building, ventilation and air conditioning construction, sandwich construction, acoustic, lightweight and dry construction, shipbuilding, vehicle and cab building, rail vehicles, advertising technology and sheet metalworking.

Storage:

In a frost-free, cool and dry environment on wooden racking in the unopened container. Shelf-life 365 days.

PROCESSING

Recommended tools:

TKB B11 trowel, sealant gun, pressure gun.

Processing:

Single-component and ready-to-use product. No mixing required. 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. 5-50 minutes. The material to be glued is to be laid in the adhesive bed with gentle sliding motions and pressed down firmly, so that the rear side is fully covered with the adhesive. Lower temperatures lead to a delayed hardening.

Post-treatment:

The material must be protected against mechanical loads until it has fully hardened, but it can subsequently be coated with conventional commercial interior dispersions. The substrate and the adhesive temperature must remain above 5 °C during adhesion and hardening. The relative air humidity should be between 35% and 90%. All tools and processing accessories are immediately to be cleaned with rubbing alcohol or with cleaning cloths. Hardened adhesive residue can only be removed mechanically. The product is not suitable on PP, PE, Teflon, bitumen and waxy substrates and for aquariums. Product may yellow.

TECHNICAL DATA

Property	Result
Chemical base	MS Polymer
Working time	20 minutes approx.
Colour	Beige
Elongation at break	335% (DIN 53504)
Tensile strength	2.2N/mm ² (DIN 53504)
Shore A hardness	58 approx.
Temperature resistance	-40 oC to +100 oC in hardened state
Processing temperature	+5 oC to max +40 oC
Specific weight	1.57g/cm ³
Permissible elasticity	+/-20%
Module 100%	1.4N/mm ² (DIN 53504)
	+/-1.0mm Thickness +/-0.3mm
Product formats:	
RS-BOND-T	16kg tubs -covers 16 to 24m ² using TKB B11 trowel (quantity required depends on the smoothness of the substrate)
RS-BOND-S	600ml 'sausage' - covers 1 to 1.5m ² using a sealant gun (quantity required depends on the smoothness of the substrate)

SUBSTRATE

Suitable substrates:

- Standard mineral substrates
- Cement screeds and concrete floors
- Calcium sulphate screeds
- Mastic asphalt
- Wooden substrates
- Dry screeds
- Plastered substrates

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".

Substrate pre-treatment:

The undercoat can be omitted for regular, standard substrates. Plastered substrates are to be carefully sanded. Metallic substrates are to be sanded and degreased, if necessary. Strongly absorbent substrates can be primed with RS-PRIME. RS-BOND also adheres to slightly damp

substrates without pre-treatment.

PRODUCT AND PROCESSING INFORMATION

Material information:

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 environmental conditions.
- The adhesive contents may cause damaging interactions with the surface treatment materials.

Environmental information:

- 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 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 recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all RS 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, and is intended to convey the best of our knowledge. It 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. 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.