

## MSP-Ubond 2K

### 2 Component construction adhesive and sealant

TDS: MSP-Ubond 2K 2302EN

**2K-Constructive adhesive and joint sealant based on MS Polymer which is extremely suitable for deep joints and impermeable substrates.**



#### Applications

- For bonding subject to occurring movements
- For deep joints that need fast curing to the core
- For metals in equipment construction, plastics technology, car-body, wagon, vehicle and container constructions.
- Bonding in ventilation and air conditioning technology.

#### Features and benefits

- Neutral polymerization
- Curing at room temperature
- Loadable after 4 hours
- Ideal for production processes
- Wide bonding spectrum
- Does not create tensile stress on parts
- Has a vibration-damping effect
- Permanently elastic
- Paintable
- Excellent sealing properties
- Aging and weather resistant
- Without isocyanates, silicones and solvents

#### Substrates

- Suitable are metals, powder coatings, painted, galvanized, anodized, chromed and coated surfaces, various plastics, ceramics, stone, concrete and wood.
- Adhesion is achieved on most materials without use of a primer.
- For non-absorbent substrates and powder coatings, we recommend pretreating with Primer P84.
- On special plastics, optimal adhesion can be achieved with Primer P80.
- Due to the variety of plastics and composites, adhesion tests are recommended.

Substrates must be clean, grease-free, loadbearing and compatible. Remove loose parts. Depending on the type of substrate, cleaning is recommended with Cleaner Plastics or Cleaner Glass & Metal with a clean cloth or tissue.

#### Technical data at 20°C and 60% RH

Application temperature:	+ 5°C to +40°C
Temperature resistance after curing:	-40°C to +90°C
Processing time:	10 to max 30 min.
Hardness, DIN 53505:	45° Shore-A
Density component A:	1,37 ± 0.05 g/ml
Density component B:	1,36 ± 0.05
g/ml E-Module 100%, DIN 53504 S2:	0,6 N/mm <sup>2</sup>
Tear Strength, DIN 53504 S2:	1,8 N/mm <sup>2</sup>
Elongation at break, DIN 53504 S2:	ca. 300%
Volume change, ISO10563:	≤ 10%
Movement capability:	25%

#### Colors

Standard in grey and black.

#### Packaging

Mixing tubes 1:1. Parts A+B= 400ml.

#### How to use the product

Cut off the top of the mixing cartridge and use a suitable 2-K sealant gun. Press until both components flow out evenly. Clean the top of the cartridge and screw the static mixing nozzle on. Make sure the exiting adhesive is in uniform color when extruded. Depending on the type of substrate, the expected expansion of both parts and the mechanical bearing load, a layer thickness of 1 to 6 mm is recommended. Fresh mixed adhesive-sealant can be removed with Cleaner Plastics. Cured adhesive-sealant can only be removed mechanically.

#### Storage and shelf life

Store in a cool and dry place (+5°C < +25°C). Can be stored for at least 12 month in original unopened packaging.

#### Safety measures

Contains: N-[3-(Trimethoxy silyl)propyl]-ethylenediamine. May cause allergic reactions. In general, prolonged contact with the skin should be avoided. Avoid direct contact with foodstuffs and stimulants until the adhesive has hardened. Keep out of reach of children. After contact with eyes, rinse with plenty of water and consult a doctor. When used appropriately, the product is without any risk.

#### Transport classification

Not applicable; no special measures required.