MS Polymer – Bonding and Sealing transparent

WIKO MS Polymer – Bonding and Sealing is a one-component, elastic, moisture-curing adhesive and sealant based on MS polymer. The product is applied to bond most diverse materials, to seal welds, overlaps and gaps. WIKO MS Polymer – Bonding and Sealing is set to medium viscosity and soft elasticity.

Trading units	**Item no.:**
290ml cartridge	MSPT.K290
600ml bag	MSPT.B600

Technical Data

Base:	MS-Polymer, moisture-curing	
Density:	1,06 g/ml	
Curing:	2 – 3 mm/24 hours	
Skin formation:	approx. 10 minutes (23°C / 50% humidity)	
Elongation at break:	300%	DIN 53504
Shore hardness A:	40 (6 mm after 4 weeks)	DIN 53505
Tensile strength:	3 N/mm2	DIN 53504
Temperature resistance:	- 40°C to + 90°C (temporary to 120°C)	
Working temperature:	+5°C to +30°C	

Advantages

- Permanently elastic adhesive, high stability
- Bonding and sealing applications
- Can be overpainted
- No volume shrinkage
- Free of isocyanate, solvents and silicone
- Fast curing
- Good moisture and weatherproofness
- Very good adhesion on many surfaces, in most cases without adhesive primer (test porous surfaces before application)
- Subsequent grinding after curing
- Almost odourless
- No blister formation
- No corrosive effect on metals
- High mechanical resistance
- Well suited for the absorption of acoustic noise and vibration

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Application Areas

Industrial and manual vehicle and bodywork construction, ventilation engineering, air conditioning, electrical engineering, apparatus engineering, metal working, sheet metal forming, plastics engineering, environmental protection and general construction. Sealing of welds, overlaps, gaps and cracks. Elastic adhesions of ledges, profiles, sheet metals, etc. Suited for quick sealing immediately before applying paintwork.

Shelf Life

The shelf life at ideal conditions (dark and dry) from +5°C to a maximum of 25°C in an unsealed original trading unit is:

Shelf life cartridge	12 months
Shelf life bag	12 months

(Do not store above 25°C for a longer time!)

Application conditions

The product can be applied with good adhesion on a high number of materials, paint or vanishing systems, metals, glass, mirrors, ceramics and diverse plastics, without priming. The surface needs to be clean and free of grease and dust (use WIKO plastic cleaner respectively WIKO metal cleaner). Please consider our list of pre-treatment possibilities in the WIKO – catalogue for potential pre-treatments. Due to the high number of different surfaces, the adhesion quality should be determined by a performance test beforehand.

Apply the material with a suited dispensing system and process the MS Polymer with the counterpart material within the skin formation time. The layer of the material should be adapted to the maximal expected strength. A fixture of the bond is recommended until the material is fully cured. The curing depends on the thickness of the layer, the temperature and the humidity.

Clean unintended impurities of the working equipment immediately after usage with WIKO plastic cleaner (Item no.: AKSR.D500 or WIKO metal cleaner (Item no.: AMTR.D500).

Restrictions

Not suited for PE, PP, PC, PTFE, PMMA, PS, neoprene, some ABS-types and bituminous surfaces, gaps under water, glazing and expansion joints. Not suited for direct contact with peripheral seal of insulation glass and laminated glass.
Not suited in combination with chlorides (swimming pool).
Not suited for natural stones and mirrors. Increased amount of UV influence may lead to different colours.
May become yellow by contact with chemical vapour or darkness. Permanent UV influence onto the adherent should be avoided. Not suited for glass bonding with permanent UV influence.

The information contained in this data sheet, especially the suggestions for processing and application of products, is based on our experience and newest expertise. Due to the facts that materials can be very diverse and that we have no influence on the working conditions, we recommend to perform sufficient tests to validate the compatibility of the products. Our company shall neither be held liable for this information nor for a verbal or written consultation. Additionally, please consider the information of our safety data sheets.