Technical data sheet

PRIVATE LABEL

Fast

Permanently elastic adhesive and sealant based on SMP. 1-component system with an excellent fast cross-linking in connection with a high strength.

Technical data

Chemical base	Silane modified polymer
Mechanism of curing	1 comp. moisture curing
Consistency	stable
Tooling time	max. 8 min.
Curing rate after 24h	≥ 3.5 mm
Curing rate after 48h	≥ 4.5 mm
Shore-A-hardness, DIN ISO 7619-1	50
Tensile strength DIN 53504 S2*	ca. 3.4 N/mm²
Modulus elongation at 100%, DIN 53504 S2 *	ca. 2.2 N/mm²
Elongation at break, DIN 53504 S2 *	ca. 200%
Density	1.40 ± 0.05 g/cm³
Volume change, DIN EN ISO 10563	≤ 7%
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 40 °C

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).
* The data are based on measurements after 3 months.

Application
Flexible bonding in the areas of metal, apparatus and machine construction, plastics technology, air-conditioning and ventilation systems, car body, wagon, vehicle and container construction. Thanks to fast cross-linking it is possible to bond parts in a continous working process. The neutral polymerisation allows a connection without thermal or chemical pre-treatment of the assembly parts. Counterbalancing tolerances.

Substrate range
Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, stone, concrete and wood. Due to the large variety of different plastics and compositions as well as materials which are susceptible to cracks, preliminary tests are recommended. Compatible with polystyrene (EPS/XPS).

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Paint compatibility
Due to the diversity of varnishes and paints on the market we recommend preliminary tests. Using paints based on alkyd resins may delay the drying process. After cleaning with acetone joints can be varnished at any time. For burning process the material can be exposed, when fully cured, in short term to elevated temperatures.

Chemical resistance
- Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- Moderate against esters, ketone and aromatics
- Not resistant against concentrated acids and chlorinated hydrocarbons

Shelf life and storage conditions
- Shelf life depending on packaging
- Store cool and dry (10 - 25 °C)
- Further information on request

Work and environmental safety
Important information about work and environmental safety is available on the material safety data sheet.

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