

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/mm ² |
| Modulus elongation at 100%, DIN 53504 S2 * | ca. 2.2 N/mm ² |
| Elongation at break, DIN 53504 S2 * | ca. 200% |
| Density | 1.40 ± 0.05 g/cm ³ |
| 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 continuous 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).

Technical data sheet Fast

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.

merz+benteli ag

Freiburgstrasse 616
CH - 3172 Niederwangen
Phone +41 31 980 48 48
Fax +41 31 980 48 49
info@merz-benteli.ch
www.merz-benteli.ch

Our information is based on experiences in lab and practice. Their publication occurs, however, without takeover of a liability for damages and losses which are to be put down to these information, as there the practical application conditions are lying outside of the enterprise's control. The user is not released from the necessity to carry out own attempts for the planned applications under practical conditions. Due to the different materials, processing methods and local factors onto which we have no influence, no guarantee – also in patent-legal respect – can be taken over. We recommend therefore sufficient own attempts. By the way we refer to our General Business Conditions. Technical characteristics according to the Technical Data Sheets up to their expiry date which is available upon request and which is available on our website. Technical changes reserved. Contents examined and released by merz+benteli ag, CH - Niederwangen/Berne