

Medium-Shore

All-purpose sealant and adhesive based on SMP. The product combines the elasticity of a joint sealant with the mechanical properties of a flexible adhesive. Its very wide substrate range completes this product.

Technical data

Chemical base	Silane modified polymer
Mechanism of curing	1 comp. moisture curing
Consistency, DIN EN ISO 7390	Stable, ≤ 3 mm
Tooling time	max. 30 min.
Curing rate after 24h	≥ 3.0 mm
Curing rate after 48h	≥ 4.0 mm
Shore-A-hardness, DIN ISO 7619-1	45
Tensile strength DIN 53504 S2*	ca. 2.5 N/mm ²
Modulus elongation at 100%, DIN 53504 S2 *	ca. 1.6 N/mm ²
Elongation at break, DIN 53504 S2 *	ca. 350%
Density	1.52 ± 0.05 g/cm ³
Volume change, DIN EN ISO 10563	≤ 5%
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 40 °C
Elastic recovery, DIN EN ISO 7389, at elongation of 60%	≥ 60%
Movement capability	25%

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).

* The data are based on measurements after 3 months.

Application

For connection and movement joints in the inner area. For connection and movement joints in the outdoor area, which are purposed to be walked or driven on. Bondings in construction areas such as window sills, stair treads, profiles, mouldings etc. Flexible bonding and sealing in the areas of metal, apparatus and machine construction, plastics technology, air-conditioning and ventilation systems, car body, wagon, vehicle and container construction.

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. Not suitable for use on deck strips of copper and window sealings.

Meets the standards

- EMICODE EC1Plus
- Eurofins IAC Gold
- ISEGA (food production area)
- ISO 11600-F20-HM

To qualify your product, please note that an appropriate test certificate must be issued on your name for most standards. For further information we are at your disposal.

Technical data sheet Medium-Shore

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. If applied on painted or plastered substrates a sufficient drying time of the paint / plaster must be kept (in general 10 days). After cleaning with acetone joints can be varnished at any time.

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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