Technical data sheet

PRIVATE LABEL

Fire Protection

It is an permanently elastic SMP-based joint sealant with a fire resistance of up to 120 minutes. Tested and classified for all joint orientations according to EN 1366-4. The paint-compatible and permanently elastic sealant with very low volume shrinkage meets the highest demands in the fire protection sector. The very low emissions allow safe application in interior areas.

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. 15 min.
Curing rate after 24h	≥ 3.0 mm
Curing rate after 48h	≥ 4.5 mm
Shore-A-hardness, DIN ISO 7619-1	26
Tensile strength DIN 53504 S2*	ca. 1.5 N/mm²
Modulus elongation at 100%, DIN 53504 S2 *	ca. 0.9 N/mm²
Elongation at break, DIN 53504 S2 *	ca. 225%
Density	1.47 ± 0.05 g/cm³
Volume change, DIN EN ISO 10563	≤ 3%
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	20%

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

* The data are based on measurements after 7 days.

Application

Suitable for joints in non-load-bearing building components with fire resistance requirements.
The sealant is suitable for linear joint sealants of unlimited length and the following end-use conditions:
- Joint in horizontal construction
- Vertical joint in vertical construction
- Horizontal joint in vertical construction
- Horizontal wall joint adjacent to a floor, ceiling or roof
- Horizontal floor joint adjacent to a wall

Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, 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 natural stone work, for use on deck strips of copper and window sealings.

Meets the standards

- Fire protection code number 5.3
- EN 13501-2: Up to EI 120
- eco-bau 1st priority ECO-BKP
- EMICODE EC1Plus
- Eurofins IAC Gold
- IMO FTPC Parts 2+5
- ISO 11600-F20-HM
- VKF recognition Nr. 31357

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.

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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. 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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