

Construction

Universal, elastic, 1-component sealant based on SMP for indoor and outdoor application. Adheres on absorbent and non absorbent substrates and is completely weather resistant, moisture curing, silicone free, neutral polymerization, very low-emission.

Technical data

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| 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 | ≥ 2.0 mm |
| Curing rate after 48h | ≥ 3.0 mm |
| Shore-A-hardness, DIN ISO 7619-1 | 24 |
| Tensile strength DIN 53504 S2* | ca. 0.7 N/mm ² |
| Modulus elongation at 100%, DIN 53504 S2 * | ca. 0.5 N/mm ² |
| Elongation at break, DIN 53504 S2 * | ca. 500% |
| Density | 1.53 ± 0.05 g/cm ³ |
| Volume change, DIN EN ISO 10563 | ≤ 3% |
| Temperature resistance after curing | - 40 °C to + 90 °C |
| Application temperature | + 5 °C to + 40 °C |
| Movement capability | 25% |
| Elastic recovery, DIN EN ISO 7389, at elongation of 100% | ≥ 70% |

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 connection joints, movement and facade joints in building construction on concrete, bricking, stucco, wood, metal and several plastics.

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. In direct contact with insulation plates or bituminous surfaces preliminary tests are recommended.

Meets the standards

- eco-bau 1st priority ECO-BKP
- EMICODE EC1Plus
- Eurofins IAC Gold
- ISEGA (food production area)
- ISO 11600-F25-LM

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 Construction

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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