



Product information

Speed-Flex® MS Polymer



Speed-Flex replaces traditional fixings,

is very strong, pasty, stable, overpaintable (wet in wet), resistant to ageing, weathering, and UV rays and is free of silicone, isocyanate and halogen. Speed-Flex has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

Speed-Flex is an adhesive on an MS polymer basis with extremely strong initial strength and is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone.

Speed-Flex replaces traditional fixings such as screws, pegs, rivets, etc. The very high initial strength makes bonding possible even on vertical surfaces in indoor and outdoor areas.

The Product can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition stand construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

Surface pre-treatment

The surfaces must be clean and grease-free. Many surface contaminants, e.g. oil, dust and dirt, can be removed with a suitable Surface Cleaner. Most materials can be bonded well to themselves and among each other. A mechanical surface pretreatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

Processing

We are recommending a cartridge gun with piston rod.

Available size

Speed-Flex® 310 ml, grey

Joining the parts to be bonded

To ensure optimal wetting, the parts must be joined before the first Skin has been formed on the adhesive (skin-overtime).

Safety and health

When using Speed-Flex, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

Technical Data

Composition	1 C.-Polyoxypropylen
density	1,6 g/cm ³
Viscosity adhesive	extremely pasty
Stability/Run-off (ASTM D 222)	< 1 mm
Processing temperatur	+5 to +35 °C
Cure type	By humidity
Curing condition	+5 to +40°C and 30% to 95% rel. humidity
Skin-overtime*	10 min.
Cure speed (first 24h)	2-3 mm
Volume change (DIN 52451)	-1 %
Gap filling up to max.	5 mm
Gap width up to max.	5 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	58
Elongation at break (DIN 53504/ASTM D 2240) ± 5	230 %
Tensile strength of pure adhesive and sealant	2,2 N/mm ²
Average tensile shear strength (DIN 53283 / ASTM D 12)	1,3 N/mm ²
Tear strength (DIN 53515/ASTM D 1002)	10 N/mm ²
Movement capacity max.	15 %
Overpaintable (liquid paint)	only „wet in wet“, within 3 hrs. at the latest
Building material category (DIN 412)	B 2
Specific forward resistance	1,4 x 10 ⁻¹¹ Ohm/cm
Layer thickness	2,0 mm
Temperature resistance	-40 to +80 briefly (approx. 2 h) to +120 °C

*Measured at 50% relative air humidity and +23°C