

Speed-Flex® Crystal MS-Polymer



Crystal-clear adhesion | ISEGA-certified

WEICON Speed-Flex Crystal replaces traditional fixings like screws, pegs, rivets etc. Due to the very high initial adhesion bonding is possible even on vertical surfaces both in-house and outside. Particularly suitable for optically demanding bondings when the adhesive bead is not to be visible. Thus e.g. transparent plastics, acrylic glass or other materials can be bonded rapidly, neatly and attractively among each other. The product can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition construction and shopfitting, and in many other areas. The adhesive and sealant is very strong, pasty, stable, resistant to ageing, weathering and UV rays and free of silicone, isocyanate and halogen. ISEGA-certified for use in food technology.

Elastic adhesives and sealants

MS-Polymers

Technical Data

Base	1 C. polyoxypropylene
Texture	pasty
Can be painted	only "wet into the wet" within 3 h at the latest
Cure type	moisture-curing
Stability/run-off	ASTM D 2202
Density	1,06 g/cm ³
Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity
Processing temperature	+5°C to +40°C
Curing speed	in the first 24 h
Skin-over time	10 min.
Gap bridging up to max.	5 mm
Max. sealing joint width	25 mm
Tensile strength	ISO 37 / S3A
Tensile strength of the pure adhesive and sealant	ISO 37
Elongation at break (tensile)	DIN 53504/ASTM D412
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	2 N/mm ²
Tear resistance	DIN 53515 / ASTM D 1002
Volume change	DIN 52451
Hardness (Shore A)	DIN ISO 7619
Temperature resistance	-40 °C to briefly +90 °C (approx. 2 h) +120 °C
Resistance	0,9 x 10 ¹² Ω·m
Specific resistance	0,9 x 10 ¹² Ω·cm
Building material class	DIN 4102
Minimum shelf life	at room temperature
Approvals / Guidelines	
MIL-Spec	complies with

Surface Pre-Treatment

Surfaces must be clean and free of grease. Many surface soilings, such as oil, grease, dust and dirt can be removed with WEICON

Surface Cleaner. For heavily soiled metal surfaces, we recommend Cleaner Spray S; for removing old colour residues or adhesive

residues, WEICON Sealant and Adhesive Remover is ideal. Most materials can be bonded to and among each other. For certain materials or special requirements, we recommend the use of a

bonding agent (primer). Mechanical surface pre-treatment e.g. by grinding or sanding can also improve the adhesion considerably.

Application

Application methods: Professional pressure gun for 310 ml cartridges (WEICON Cartridge Gun "Special") Compressed-air gun, we recommend a variant with piston rod (WEICON Compressed-Air Cartridge Gun), automatic dispensing systems Joining the adhesive parts To ensure optimum

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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wetting, the adhesive parts must be joined before the first skin has formed on the adhesive (skin-over time).

Storage

Store in the unopened original container at room temperature. Avoid sources of heat and direct sunlight.

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Accessories

10025241	V-Joint Nozzle, 1 PCE
10033114	Compressed Air Cartridge Gun, 1 PCE
10020751	Cartridge Gun Special, 1 PCE
10000441	Cartridge Gun, 1 PCE

Available sizes

10104973	Speed-Flex® Crystal MS-Polymer, 280 ml (Green Tube)
10104976	Speed-Flex® Crystal MS-Polymer, 280 ml (Set)

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