



Weicon Speed Flex Crystal MS Polymer

Weicon Speed Flex Crystal is an MS Polymer adhesive that can replace mechanical fixings like welds, screws, rivets etc. Due to the very high initial adhesion, materials are able to be bonded on vertical surfaces both internal and externally. This grade of MS Polymer is clear and suitable for bonding when the adhesive is not to be visible on materials like transparent plastics, acrylic, glass, and where aesthetically pleasing bonds are of benefit. It is very strong, is resistant to UV, ageing, and weathering, and can be painted over (wet in wet). Speed Flex Crystal can be used for domestic, industrial, and commercial applications and is ISEGA certified for use in food technology.

Technical Data:

Property:	Typical Value:
Base	1 C.-Polyoxypropylen
Colour	Clear
Density	1.06 g/cm ³
Consistency	Pasty
Stability/Run-off, ASTM D 222	< 1mm
Processing temperature	+5 to 40°C
Cure Type	By humidity
Curing Conditions	+5 to 40°C, 30% to 95%, RH
Skin-overtime ¹	10 mins
Curing speed, first 24h	2 – 3mm
Volume change, DIN 52451	-3%
Gap filling up to max.	5mm
Gap width up to max.	25mm
Hardness, DIN 5355, ASTM D224	40 Shore A ±5
Elongation at break, DIN 53504, ASTM D2240	300%
Tensile strength of pure adhesive and sealant	3.0 N/mm ²
Ave tensile shear strength, DIN EN 1465, ASTM D12	2.0 N/mm ²
Tear strength, DIN 53515, ASTM D1002	19 N/mm ²
Movement capacity max.	20%
Over paintable (liquid paint) ²	Yes
Building Material Category, DIN 412	B 2
Specific forward resistance	0.9 x 10 ¹² Ohm/cm
Temperature Range	-40 to 90°C, up to 120°C briefly

1. Measured at 23°C, 50% relative humidity. 2. "wet in wet", within 3 hours after material application.

Surface Pre-treatment:

Surfaces must be clean of oil, dust, and dirt before application. These can be removed with Weicon Surface Cleaner. For heavily soiled metal surfaces, Weicon Cleaner S Spray can be used while Weicon Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues. Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent primer. A mechanical surface pre-treatment, e.g. sanding, sandblasting, grinding, can also approve adhesion. Please contact AG for more information on suitable primers and material compatibility.

Visit: www.agaus.com.au

Phone: 1300 098 060

Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.



Adhesives & Sealants

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Availability:

Weicon Speed Flex Crystal MS Polymer is available in 310ml cartridges.

Other grades are also available.

Shelf life of 12 months when stored unopened at 23°C, 50% R.H.

Safety Data Sheets are available on request.



Associated Gaskets also stock a large range of thermal insulation as well as specialised sealing and electrical products. For more information on these products and many more, please visit our website or call your nearest AG branch.

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