

# Silicone N



## Neutral-curing | fungicidal

WEICON Silicone N is free of solvents, neutrally vulcanizing, strong, permanently elastic, resistant to weathering, ageing and chemicals, temperature-resistant up to +180°C (+356°F), extremely elastic (breaking elongation of approx. 550%) and can be used universally. Silicone N adheres very well to all metals, glass, ceramics, and many other materials. Silicone N can be used in plastic processing, the electrical industry, energy technology, the lighting industry, exhibition construction and shopfitting, and in many other industrial areas.

### Technical Data

Base	1-C. polysiloxane (oxime)	
Colour	transparent	
Cure type	moisture-curing	
Stability/run-off	ASTM D 2202	1.0 mm
Density	1,01 g/cm <sup>3</sup>	
Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	
Processing temperature	+5°C to +35°C	
Curing speed	in the first 24 h	2 -3 mm
Skin-over time	7 min.	
Gap bridging up to max.	5 mm	
Max. sealing joint width	25 mm	
Tensile strength	ISO 37 / S3A	1,5 N/mm <sup>2</sup>
Tensile strength of the pure adhesive and sealant	ISO 37	1,5 N/mm <sup>2</sup>
Elongation at break	ISO 37, S3A	550 %
Elongation at 100 %	ISO 37 S3A	0,4 N/mm <sup>2</sup>
Movement absorption max.	25 %	
Volume change	DIN 52451	<-6 %
Hardness (Shore A)	DIN ISO 7619	20±5
Temperature resistance	-50°C to +180°C	
Resistance	1·10 <sup>12</sup> Ω·m	
Dielectric strength	17,0 kV/mm	
Building material class	DIN 4102	B 2
Shelf life	12 mon.	

## Surface pre-treatment

Surfaces must be clean and free of grease. Many surface soiling, 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.

## Processing

Application methods Cartridge gun for 310 ml cartridges, compressed air gun, we recommend a version with piston rod (WEICON Compressed Air Cartridge Gun), automatic dosing systems. Joining the components In order to guarantee and ideal wetting, the bonding parts need to be joined, before the adhesive skins over (skin-over time).

## Storage

When unopened and stored in normal climate (+23°C and 50 % rel. air humidity), WEICON Elastic Adhesives and Sealants have a shelf life of 12 months.

## 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](http://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

- 10014360 Silicone N, 310 ml, transparent

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### 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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