

# 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.

### Characteristics

Base	1-C. polysiloxane (oxime)	
Texture	pasty	
Colour	transparent	
Cure type	moisture-curing	
Can be painted	no	
Stability/run-off	ASTM D 2202	1.0 mm
Building material class	DIN 4102	B 2
Minimum shelf life	at room temperature	18 mon.

### Processing

Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	
Curing speed	in the first 24 h	2 -3 mm
Density	(+23 °C) ISO 1183-1	1,0 g/cm <sup>3</sup>
Max. sealing joint width	25 mm	
Gap bridging up to max.	5 mm	

### Curing

Skin-over time	7 min.
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### Mechanical properties after curing

Tensile strength	ISO 37	1,5 N/mm <sup>2</sup>
Elongation at break (tensile)	ISO 37, S3A	550 %
Elongation at 100 %	ISO 37 S3A	0,4 N/mm <sup>2</sup>
Movement absorption max.		25 %
Hardness (Shore A)	DIN ISO 7619	20±5
Volume change	DIN 52451	<-6 %

### Thermal parameters

Temperature resistance	-40°C to +180°C
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### Electrical parameters

Resistance	1·10 <sup>12</sup> Ω·m
Dielectric strength	17,0 kV/mm

### Approvals / Guidelines

MIL-Spec	complies with	MIL-A-46146B Group I Typ 1
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### 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.

### Application

#### 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

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.

#### 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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# Silicone N

## Accessories

- 10025241 V-Joint Nozzle, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent
- 10059792 Pressure gun Airflow 3, 1 PCE

## Available sizes

- 10105011 Silicone N, 280 ml (Green Tube), transparent
- 10105014 Silicone N, 280 ml (Set), transparent

To the product detail page:



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