

Silicone HT 300



High-temperature-resistant | acetoxy-curing

WEICON HT 300 is red, high-temperature-resistant (+300 °C /+572 °F), free of solvents, strong, and acetoxy-curing. It is resistant to weathering, ageing and chemicals and is extremely elastic (breaking elongation of approx. 300%).

The product is particularly suitable for heat-exposed bonds and seals and adheres very well to steel, aluminium, glass, ceramics and many other materials.

The adhesive and sealant can be used in industrial furnaces, flue gas systems, heating installations, exhaust gas routing, heating cabinets and in many additional areas.

Technical Data

Base	1-C. polysiloxane (acetate)
Colour	red
Texture	pasty
Can be painted	No
Cure type	moisture-curing
Stability/run-off	ASTM D 2202
Density	1,18 g/cm ³
Curing condition	from +5°C to +40°C and 30% to 95% rel. air air humidity
Processing temperature	+5°C to +35°C
Curing speed	in the first 24 h
Skin-over time	2 - 3 mm
Gap bridging up to max.	8 min.
Max. sealing joint width	5 mm
Tensile strength	ISO 37 / S3A
Elongation at break (tensile)	300 %
Elongation at 100 %	0,9 N/mm ²
Movement absorption max.	15 %
Volume change	DIN 52451
Hardness (Shore A)	DIN ISO 7619
Temperature resistance	-40 °C to briefly +280 °C (approx. 2 h) +300 °C
Building material class	DIN 4102
Minimum shelf life	at room temperature
12 mon.	
Approvals / Guidelines	
ISSA Code	75.634.20/21
IMPA Code	815282/83
MIL-Spec	complies with
MIL-A-46146	

Surface Pre-Treatment

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

Processing Cartridge

gun for 310 ml cartridges, compressed air gun, we recommend a version with piston rod (WEICON Compressed Air Cartridge Gun), automatic dosing systems. Squeeze out by hand, close tube again immediately after use, opened tubes should be used up as quickly as possible

Joining the components

In order to guarantee an ideal wetting, the bonding parts need to be joined, before the adhesive skins over (skin-over time).

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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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
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent

Available sizes

- 10005243 Silicone HT 300, 85 ml, red
- 10104027 Silicone HT 300, 280 ml (Green Tube), red
- 10104059 Silicone HT 300, 280 Set, red
- 10104250 Silicone HT 300, 280 ml (plastic bag), red

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