

HIGH-TEMPERATURE SILICONE SEALANT

TECHNICAL DATA SHEET

HT SILICONE black, red

WIKO HT silicone is a durable, heat resistant, one component silicone with a temperature resistance till +260°C. WIKO HT silicone are perfectly suited for demanding industrial applications in production, construction and maintenance. Special traits of the product is the high resistance impacts and peeling as well as an excellent gap-filling capability.

**Trading units**

80 ml cartridge

310 ml cartridge

200 ml automatic cartridge

Item no.:

SIOS.K80

SIOS.K310

SIOS.K200

Item no.:

SIOR.K80

SIOR.K310

SIOR.K200

Product Characteristics

- weather- UV proof, age-resistant
- outstanding skin formation, networking-speed and tack-free
- resistant against most chemical requirements of automotive sector and also engine oils , cooling agents and antifreezers
- negative effects of electrica and electronic parts are expected
- no corrosion delivery
- suitable for acid-sensitive surfaces because of the neutral networking -system
- compensates tensions between the parts, which occur because of varying thermal stress and different coefficients of expansion
- compensates production tolerances between the parts
- a reversible alliance can be generated by reducing the mass of product

Application Areas

For sealing of caravans, flanges, axes, water- and oil pump, oil pan, valve cover, sun blinds, light housing, body panels and doors, outdoor uses like baking oven etc.

HIGH-TEMPERATURE SILICONE SEALANT

TECHNICAL DATA SHEET

HT SILICONE black, red

Technical Characteristics

Chemical basis:	oxim (low meko)
Appearance:	stable, flexible paste
Skin formation time:	approx. 8 minutes (at 23°C and 50 % relative air humidity)
Full curing speed:	approx. 2 - 3 mm / 24 h
Temperature resistance:	- 65 °C up to + 260 °C (shortly + 315°C) (cured material) <i>Other temperatures require specific testing beforehand</i>
Processing temperature:	+5 °C up to + 35 °C (adhesive and surface)
Specific gravity:	approx. 1,20 g/ml
Colour:	black or red (see separate technical data sheet for transparent silicone)
Shelf life:	12 months (when stored cool and dry) <i>Shelf life only ensured at correct storage temperature of +5°C up to +25°C and when packaging stays unopened.</i>

Mechanical properties

Shore-A hardness	approx. 28
Tensile strength	3,3 N/mm ²
Elongation at break	> 300 %

Please note:

Curing is depending on temperature, humidity and thickness. The shown facts refer to laboratory tests (23°C and 50% relative air humidity).

Instructions

The surfaces have to be dry and free of dust, fat, oil and other impurities that can affect the adhesion. Old sealing materials have to be removed completely from the surface. Depending on the material type either use WIKO Metal Cleaner (AMTR.D500), WIKO Plastic Cleaner (AKSR.D500), WIKO Industry Cleaner (AMIR.D500) or WIKO Sealing Remover (ADEF.D500). Due to the broad application spectrum, pre-testing is usually necessary.

Application of 80 ml cartridge:

- Remove the plug connection between the plunger and the cartridge
- Take the dosing tip out of the plunger
- If necessary, cut the dosing tip to the desired diameter
- Remove the sealing of the cartridge outlet above the thread by means of cutting
- Screw the dispensing tip onto the cartridge
- Insert the plastic plunger into the bottom side of the cartridge
- Apply the silicone onto the designated surface by pressing the plunger
- Remove product excess immediately

Application of 200 ml automatic cartridge:

- Take off the sealing cap
- Now, turn the dosing tip counter clockwise by 90° according to the marking
- Apply the silicone onto the designated surface by pressing the dispensing lever
- Remove product excess immediately

HIGH-TEMPERATURE SILICONE SEALANT

TECHNICAL DATA SHEET

HT SILICONE black, red

Application of 310 ml cartridge:

- Remove the sealing of the cartridge outlet above the thread by means of cutting
- Screw the dispensing tip onto the cartridge
- If necessary, cut the dosing tip to the desired diameter
- Then, place the cartridge into an appropriate dispensing gun
- WIKO steel dispensing gun for manual processing (DPM290/310S) or
- WIKO steel dispensing gun for pneumatic processing (DPP310S)
- Apply the silicone by pressing the trigger of the dispensing gun
- Remove product excess immediately

Application Restrictions

- The product is coating compatible but cannot be re-coated
The term coating compatible is referred to contact surfaces / fusion faces, which come into contact with previously painted and already dried surfaces. Due to the high number of coating systems on the market it is recommended to carry out compatibility tests
- Not suited for PP, PE, Teflon and bituminous surfaces
- The product should not be used on marble, natural stone or as a mirror adhesive
- Do not use the product in aquariums, with drinking water or in the food sector
- Ensure enough corrosion protection on untreated metal surfaces
- Cured jointing material can only be removed mechanically

Storage and Shelf Life

If the product is stored at a temperature of +5 °C to +25 °C in its original packaging, we guarantee a storage life of 12 months.

The information contained in this data sheet, especially the suggestions for processing and application of products, is based on our experience and newest expertise. Due to the facts that materials can be very diverse and that we have no influence on the working conditions, we recommend to perform sufficient tests to validate the compatibility of the products. Our company shall neither be held liable for this information nor for a verbal or written consultation. Additionally, please consider the information of our safety data sheets.