

# SS 933 RTV

Heat Resistant Silicone Sealant

## DESCRIPTION

High quality, solvent-free, single component (acetoxyl), red colored **silicone** sealant which is cured with the moisture in the air. Developed for the applications of engines and mechanical parts exposed to **high temperatures**.

## APPLICATION AREAS

- Places exposed to continuous high temperatures
- Automotive motor components, differential cover, gear-case cover, motor hood and carburetor cover sealing
- Diluted acidic and basic environments
- Steam installations, as sealant in places exposed to hot water and steam
- Sealing chemical reactors
- Hot-air pipes
- Industrial mechanic parts
- All sealing applications exposed to mechanical or chemical heating.

## TECHNICAL PROPERTIES

<b>Appearance</b>	Red colored high viscosity silicone sealant
<b>Density</b>	1.05 ± 0.05 g/cm <sup>3</sup>
<b>Application Temperature</b>	Between +5°C and +35°C
<b>Surface Drying Time</b>	20 ± 5 minutes
<b>Curing Rate</b>	3 mm / 24 hours
<b>Hardness (Shore A)</b>	25 ± 5
<b>Tensile Strength</b>	≥ 1 MPa
<b>Elongation at Break</b>	> 500% (14 days)
<b>Resistance to Heat</b>	Maximum +250°C
<b>Service Temperature</b>	-40°C / +250°C

## ADVANTAGES

- **Single component**, easy to apply
- Resistant to maximum +250°C.
- Does not contain **solvent**, durable. Does not shrink, sag or peel off
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**
- Not affected from weather conditions after one hour when cured. Resistant to abrasion
- Highly elastic and turns to its original form without being distorted.
- Red colored, easily noticed
- Resistant to detergents, cleaning materials and diluted chemical solutions
- Odorless when cured
- Not harmful or poisonous.

## CONSUMPTION

Varies depending on the application surface.

## APPLICATION

### PREPARATION OF THE SURFACE

- The surface must be clear of materials that prevent adhesion such as dust, engine oils, tar, paint, silicone, curing material, detergent and mold release agents.
- Remove the old and cured sealants mechanically. Do not apply on old and cured sealants that are not totally removed.
- Masking tape is recommended for a smooth appearance of the surface and the material to be spilled around.
- Primer may be required for some synthetic and painted surfaces. However, there is no need to use a primer on non-porous surfaces such as tiles, ceramics and glass.

### APPLICATION

- Cut the mouth of the cartridge to allow the insertion of the tip supplied with the cartridge.
- Attach the tip to the mouth of the cartridge and, considering the width of the area to be used, cut the tip with a sharp utility knife at an angle of 45° and place the product to the cartridge gun.
- Smoothen the surface by pressing with a suitable correction tool. This process will ensure both better adhesion of the sealant and a better appearance of the filling. Joint width should be minimum 5 mm and maximum 25 mm.
- Remove the masking tape within 5 minutes after the application.
- Clean the excess material with solvent or alcohol within maximum 5 minutes. If this time has been exceeded and curing has been completed, cleaning can only be done mechanically.

### CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Not suitable for use in aquariums, glazed surfaces and mirror bonding.
- Do not use on sensitive metals and electronic circuits since it creates acetic acid vapor during curing.
- It is not recommended to be used on porous surfaces such as concrete, natural stone, marble.
- Do not use in completely closed areas as it needs moisture in the air for curing.
- Not suitable for medical or pharmacological applications.
- Does not hold paint on it.
- Not recommended for use as a structural adhesive.

### PACKAGING

Net 300 ml plastic cartridges

### SHELF LIFE

Expires in 12 months. Store unopened packages between +10°C and 25°C, in a dry environment protected from sunlights.

### HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Prolonged inhalation of acetic acid vapor released during curing can damage the respiratory system. For this reason, use it only in sufficiently ventilated environments. Avoid prolonged contact with uncured silicone. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.