

RED, HIGHT TEMPERATURE SILICONE FORTA

1. IDENTIFICATION OF THE CHEMICAL AND SUPPLIER

Trade name:	Red, high temperature silicone Forta
Product type:	Acetic silicone
Company:	FORDEPRO SA de CV
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2. TYPICAL PROPERTIES

Appearance:	Fine, uniform paste
Standard colour	Red
Chemical category	Silicone rubber
Odour:	Acetic
Tack free	10 minutos
Total curing	24 hours
Specific weight:	1.12 g/ml
Maximum working temperature:	260°C
Extrusion speed at 25°C (gr/min):	>280
Life shelf at 25°C, months	12

3. PRODUCT DESCRIPTION

Red Silicone for high temperatures, is a single-component acetic- curing silicone with vulcanization at room temperature. The Red Silicone is made for mechanical, formed-in-place joints with high quality. This product cures in contact with air humidity, making the gasket flexible and resistant.

The product resists aging, weathering and thermal cycling without hardening, shrinking or cracking. Designed to maintain peak performance in a continuous temperature environment of 260°C (500°F) and intermittent typical temperature of 320 °C (608 °F). . It is not recommended for vehicles equipped with oxygen sensors.

4. TYPICAL APPLICATIONS

- Control unit housing
- Exhaust manifold
- Thermostat housing
- Valves
- Gears
- Water pump
- Differential

5. APPLICATION AND PRODUCT BENEFITS

Clean and dry off the surface. Cut the tip of the cartridge. Screw on the applicator tip, which must be cut at an angle of 45°C. Place the cartridge in the applicator gun and apply a continuous and uniform silicone cord in any of the parts. Make the assembly and remove the excess product. After use, keep the applicator tip in the cartridge and leave a small amount of product on the tip to form a plug. To use again, remove the cap.

Benefits

- For high temperatures
- Excelente flexibility and adhesion
- Replaces most cut gaskets
- Can be used as a gasket or gauze
- Easy application

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Version: 03

- Non-flammable
- Non-toxic

6. PRECAUTIONS, SAFETY AND STORAGE

Temperature resistance, typical values
Continuous exposure, 24 h curing time: -54°C – 316°C
Intermittent exposure, 24 h curing time: 317°C – 343°C

Instructions for use

A. Form-in-place gaskets

1. Clean the contact surfaces from old materials and dirt.
2. To get best results, clean and dry the surfaces with residue-free solvent.
3. Cut the tip of the cartridge to desired cord size, 1/16" to 1/4" in diameter. A 1/8" stub is generally enough for most applications.
4. Remove the cap, pierce the tube or cartridge and put on the application tip.
5. Apply a continuous bead of silicone to one surface, first tracing the inside areas of the gasket pattern, all surrounding screw holes, as shown.
6. Assemble parts immediately while silicone is wet. Set or tighten at recommended torque values.
7. Tighten will not be necessary after product is cured.

B. Assemble a coated surface

1. Follow steps 1 to 4 as described in A section.
2. Apply a thin layer of silicone to the surface to be sealed.
3. Place the pre-cut gasket on the silicone film.
4. Apply a second thin layer of the pre-cut joint.
5. Remove any excess and assemble the pieces immediately.

C. Cleaning

1. Allow some excess material in the nozzle or tip to cure, sealing and protecting the product from moisture. To reuse simply remove the cured plug from the tip.
2. Remove uncured product from parts and tools with a dry cloth, if a film has formed, use a dry cloth to remove as much as possible.
3. Clean hands with a dry cloth, water or cleaner.

Keep out of reach of children and animals.

Avoid direct contact of uncured product with the skin and eyes. If this happens, rinse with water and seek medical attention. Apply in a ventilated place, since acetic acid vapor is released during drying.

The products must be stored in a cool and dry place, in closed containers at a temperature below 26°C.

Do not return leftover material to the original container to avoid contamination of the remaining product.

STORAGE

Products should be stored in a cool, dry place, in closed containers at a temperature between 8°C - 28°C (46°F to 82°F) unless otherwise indicated. Optimum temperature is in the lower half of this temperature range.

To avoid contamination of unused product, do not return material to its original container.

7. GENERAL INFORMATION

This product is not recommended for use with oxygen systems. It is not recommended as a sealer in systems that have chlorine in high concentrations and/or strong oxidizing materials. For more information on the safe handling of this product, consult the Safety Data Sheet (SDS)

WARRANTY: FORTA will replace any non-compliant material, according to specifications contained in this technical sheet.

Since the handling, storage and application of this material is beyond our control, we cannot accept any responsibility for the results obtained.