

## SEF-R

### THE LIQUID GASKET

- The ideal gasket without moulds
- Workable in few minutes
- Reduces the stock of pre-created gaskets
- Non corrosive
- Immediate results
- It fills the unevenness
- High chemical, UV and pressure resistance
- High temperature resistance (up to 370°C)
- High adhesive power
- Created for applications on high performance engines
- Easy to remove



### NOTICE

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

## SEAL FLEX HT RED

### GENERAL INFORMATION

SEAL FLEX HT RED is a modified sealant, based on oxime neutral curing chemistry, that is essentially odorless. This non-corrosive silicone, with excellent adhesive properties, can be used on a wide variety of materials and especially where no discoloration or corrosion of sensitive materials is accepted. SEAL

FLEX HT RED forms a strong, tough, flexible and resilient elastomeric rubber, with excellent chemical and high temperature resistance, that maintains its flexibility at low temperatures and stability at high temperatures. Apply SEAL FLEX HT without using any extra tools directly from the pressure can.

### TECHNICAL INFORMATION

In liquid condition:

Chemical basis: modified oxim silicone

State: red, thixotropic paste

Density: 1,24 g/cm<sup>3</sup>

Extrusion rate (at 25°C, 6 bar, 3.2 mm opening):

> 1000g/min

Ignition point: 315°C

In hardened condition:

Tensile shear strength (EN 1465): 2.0 N/mm<sup>2</sup>

Ductile yield (ASTM-D-412): 300%

Hardness (Shore A)(ASTM-D-676): 40

Shrinkage: < 3%

Skinning time (ASTM-D-4678): 7 minutes

Curing process: ~2mm/24h at 50°F

Dry surface (ASTM-D-4678): 40 minutes

-60°C up to +315°C

Shortly up to +370°C

Thermal conductivity (ASTM D-2214/70):

0,002 Jcm<sup>-1</sup> s<sup>-1</sup> K<sup>-1</sup>

Coefficient of elongation (ASTN EB-31):

20 x 10<sup>-5</sup> K<sup>-1</sup>

Dielectric constant at 1 MHz (ASTM D-150): 2,8

Loss factor at 1 MHz (ASTM D-150): 0,002

Breakdown voltage (ASTM D-149): 16kV/mm

Specific volume resistance (ASTM D-257): 10<sup>15</sup> Ω

Store the original unopened container in a cool, dry location. Optimal storage temperature:

+8°C to +23°C.

Shelf life: 1 year in cartridge, 2 years in metal tube or can.

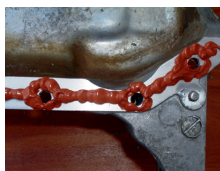
Safety measures: consult the Safety Data Sheet.

Temperature range:

### APPLICATION AND USE

- SEAL FLEX HT is developed for many industrial sealing and insulating application, including metal and glass construction, automotive, marine, mechanical engineering, screw thread connections, machine tools, maintenance, connections, air ducts, inlet and outlet manifolds, compressors, pumps, turbines, electrical/electronic, aerospace and consumer products.
- SEAL FLEX HT RED is jointing to: metals and different alloys, glass, ceramics and several kinds of synthetic materials.
- Insulating and moisture-proofing electric contacts on towing hook outlets
- Use for sealing of joints between plate material
- SEAL FLEX HT RED prevents corrosion when mounting aerials, alarm systems, steel plate constructions, ...
- SEAL FLEX HT RED is resistant to: light acids (up to 20%), glycol, Fluor-Chlorine-methane, butane, oils, greases, lubricants, petrol, kerosene, transmission and brake fluids, water, steam, antifreeze agents, fuel oil, alkali, saline solutions,
- For an optimal adhesion, the surfaces should be free from corrosion, oil/grease or dust. Therefore we recommend cleaning the surface.
- We recommend to test SEAL FLEX HT on the substrate before use

Article nr	Name	Content	Section
T571701	Seal Flex HT red	200ml	ADHESIVES AND SEALANTS



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