

SEF-R

HIGH TEMPERATURE SILICONE SEALANT

- High-quality RTV silicone, neutral cross-linked
- Easy and even dosing possible
- Very good modeling, smoothing and processing properties
- Especially for the industrial and automotive sectors
- Non-corrosive, therefore no effects on electronic components
- Fills unevenness and tolerances
- Immediate results with watertight and airtight joints
- High chemical resistance
- High pressure and UV resistance
- Very good ageing stability
- Color-fast
- Low odor
- Electrical insulation properties
- Acid and alkali-free - suitable for alkaline and metallic substrates
- Temperature range: -60 °C to +300 °C (330 °C for short periods)
- MEKO-free



Notice

All information and illustrations are provided to the best of our knowledge and belief. It is the responsibility of the consumer to determine the suitability of each product for its particular application. We give no guarantee with regard to the completeness or accuracy of the information and disclaim any liability for the use of the product. Liability is limited to that set out in the standard conditions of sale for this product. In no event shall we be liable for any damages or consequential damages arising out of the sale, resale, use or misuse of the product.

SEAL FLEX HT RED

General Information

SEAL FLEX HT RED is a high-quality RTV silicone. The different application variants enable quick, easy and even dosing and are characterized by very good modelling, smoothing and processing properties. SEAL FLEX HT RED is particularly suitable for industrial and automotive applications. SEAL FLEX HT RED is highly resistant to chemical liquids. SEAL FLEX HT RED is suitable for the temperature range between -60 °C and

+300 °C, is non-corrosive and therefore has no effect on electrical components. SEAL FLEX HT RED fills imperfections and tolerances, has electrical insulating properties and provides immediate results for watertight and airtight joints. Furthermore, SEAL FLEX HT RED offers high pressure and UV resistance and has very good ageing stability. SEAL FLEX HT RED is color-fast, low-odor, acid- and alkali-free, for alkaline and metallic substrates.

Technical Information

Form: paste
 Colour: red
 Odour: characteristic
 Density (at 20 °C): 1,16 ± 2 g / cm³
 Viscosity: non-sag paste
 Skin-formation time: 12 ± 5 min
 Tack-free time: 10 min
 Cure time (at 23 °C, 50 % RH.): ~ 2-3 mm / 24 h
 Hardness Shore A: 25 ± 3
 Tensile strength: 1,10 N / mm²

Shear strength (alu, 1mm): 2,0 MPa
 Movement ability: 25 %
 Elastic Modulus (100%): < 0,4 N / mm²
 Elongation at break: >600%
 Recovery from deformation: >70 %
 Volume shrinkage: < 5 %
 Processing temperature: 0 - +40 °C
 Storage temperature: +5 - +30 °C
 Storage stability at 23°C/50% RH: 24 months
 Temperature resistance: -60°C to 300°C

Application and Use

- SEAL FLEX HT RED for the automotive sector, boiler construction, industrial plant construction
- For example, machine and engine housings, threaded and flanged connections, connections, air ducts, inlet and outlet manifolds, compressors, pumps, turbines, fuel and water pumps, gearbox, front and camshaft bearing covers, crankcase and valve covers, cooling systems, ventilation systems, heating oil burners, heat exchangers and much more.
- Stove and chimney transitions and connections, heating installations, flue gas and ventilation systems, stove connections
- Insulation and moisture protection of electronic contacts and for sealing joints or moisture leaks
- SEAL FLEX HT RED is suitable for: Steel, stainless steel, aluminum, various alloys such as copper, glass, ceramics, synthetic materials, enamel, tiles, tinplate and glazed surfaces such as wood
- SEAL FLEX HT RED is resistant to: light acids (up to 20%), glycol, fluorochloromethane, butane, oils, greases, lubricants, petrol, kerosene, transmission and brake fluids, water, steam, antifreeze, heating oil, alkalis, salt solutions
- For optimum results, the surface should be free of rust, corrosion, grease and dust
- Pre-priming on concrete, mineral plaster and fiber cement if necessary
- Not suitable for natural stone
- Preliminary tests are recommended on plastics such as PMMA and polycarbonate (stress cracks)
- Avoid contact with bitumen, tar or plasticizer-releasing materials (EPDM, butyl, foams), as this can lead to incompatibilities

Article nr	Name	Content	Shelf Life	Catalog
T571701	Seal Flex HT red 200ml	200ml	see imprint + 24 months	ADHESIVES AND SEALANTS
T571702	Seal Flex HT red 310ml		see imprint + 12 months	ADHESIVES AND SEALANTS

