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SEF-B

SEAL FLEX HT BLACK

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 +260 °C (300 °C for short periods)
- MEKO-free



General Information

SEAL FLEX HT BLACK 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 BLACK is particularly suitable for industrial and automotive applications. SEAL FLEX HT BLACK is highly resistant to chemical liquids. SEAL FLEX HT BLACK is suitable for the temperature range between -60 °C and +260 °C, is non-corrosive and therefore has no effect on electrical components. SEAL FLEX HT BLACK fills imperfections and tolerances, has electrical insulating properties and provides immediate results for watertight and airtight joints. Furthermore, SEAL FLEX HT BLACK offers high pressure and UV resistance and has very good ageing stability. SEAL FLEX HT BLACK is color-fast, low-odor, acid- and alkali-free, for alkaline and metallic substrates.

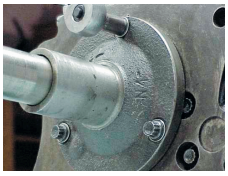
Technical Information

Form: pasty
Colour: black
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 260°C

Application and Use

- SEAL FLEX HT BLACK 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 BLACK 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 BLACK 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
T571101	Seal Flex HT black 200ml	200ml	see imprint + 24 months	ADHESIVES AND SEALANTS







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