Technical Data Sheet

CRC Flex Seal

1. General Description

CRC Flex Seal is an RTV Silicone based gasket replacement for joints that require flexibility. CRC Flex Seal can be used either to replace pre-formed gaskets either to replace original FIP gaskets on flanges with wide tolerances or big differences in thermal expansion. Do not use to replace cylinder head gasket.

2.Characteristics

- The CRC Flex Seal is packed in a handy aerocan, to provide steady and uniform beads.
- CRC Flex Seal is highly viscous and thixotropic. It can be applied on vertical or overhead surfaces.
- Excellent adhesion to materials like metal, glass and most plastics.
- High mechanical strength.
- Very good elasticity for flexible joints that have to deal with vibrations, differences in thermal expansion and changing loads.
- Elevated resistance to UV-radiation, moisture and most solvents.
- Excellent operating temperature from -40°C till 250°C (short time peaks till 300°C).

3.Applications

- Replaces many gaskets for automotive, industrial and marine engines.
- Flanges with wide tolerances as on most non-machined flanges.
- Flanges made of different materials or press-formed steel sheet.
- Oil pans, valve covers, timing gear covers, thermostat housings, water pumps, hose outlets, inlet manifolds.
- Do not use to replace cylinder head gasket.

4.Instructions

- Remove all remaining parts of old gaskets by mean of a plastic spatula. Persistent contaminations of the flange surfaces can be treated with CRC Gasket Remover.
- Clean the surfaces of the flanges with CRC industrial degreaser or equivalent (test on sensible plastics before use) and assure surfaces are dry.
- Apply a steady bead of CRC Flex Seal on one of the prepared flanges. Make sure to apply the sealant also around all holes for, internal canalizations, fixation and/or positioning holes.

If you want the flanges to be bond:

- Assemble the flanges within 10 - 15 minutes, depending on temperature and relative humidity.
- Apply a small pre-torque to assure a good contact between the flanges and the sealant, without squeezing the sealant out.

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- Allow an initial curing for one hour and apply the needed torque as prescribed from the constructor of your flanges.
- Leave the sealant to cure for 3 hours before cutting away the excess of sealant squeezed out of the flanges.

If you do not want the flanges to be bond:

- After application of the sealant, wait 15 – 30 min (until a tack free skin has been formed on the sealant) before assembling the flanges
- Apply the needed torque as prescribed from the constructor of your flanges.
- Leave the sealant to cure for 3 hours before cutting away the excess of sealant squeezed out of the flanges.

A safety data sheet (MSDS) according to EC Regulation N° 1907/2006 Art.31 and amendments is available for all CRC products.

5. TYPICAL PRODUCT DATA (without propellant)

• Appearance	:	black
• Open time (tack time)	:	15 min
• Curing speed in depth	:	> 1 mm per 24 h
• Specific weight	:	1,3 g/ml
• Application temperature	:	+5 till +50°C
• Hardness	:	33 ± 5 shore A
• Tensile strength at 100% elongation	:	0,4 N/mm²
• Operating temperature	:	- 40°C till + 250°C
• Chemical resistance	:	excellent to most chemicals in the automotive

6.PACKAGING

Aerosol: 12x200ml,

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