

# FLEX SEAL PRO

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## Technical Data Sheet

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Product name: Flex Seal Pro  
Sales code: 32746

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### 1: General description

CRC Flex Seal Pro is an RTV Silicone based gasket replacement for joints that require flexibility. CRC Flex Seal Pro 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: Features

- The CRC Flex Seal Pro is packed in a handy aercan, to provide steady and uniform beads.
- CRC Flex Seal Pro 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: Directions

- 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 Pro.
- Clean the surfaces of the flanges with CRC Power Clean Pro (test on sensible plastics before use) and assure surfaces are dry.
- Apply a steady bead of CRC Flex Seal Pro 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.
- 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 : 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/mm<sup>2</sup>
- Service temperature : - 40°C till + 250°C
- Chemical resistance : excellent to most chemicals in the automotive

## **6: Packaging**

Aerosol

12x200 ML

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

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