

REDOSEAL 600

High-strength,
1-component silicone
structural glazing
adhesive



Description:

REDOSEAL 600 is a single component, non-slumping, low odour, low volatile silicone adhesive/ sealant. It is designed to provide reliable “formed-in-place” gaskets for mechanical assemblies where high temperatures are experienced.

Uses:

- Used in automobile engine, timing covers, oil sump applications, valve covers, rocker covers, water pumps, end seals, intake manifolds and rear axle housings.
- Used as sealant and adhesive for assembly and repair of industrial furnaces, ovens, boilers, exhaust stacks, high temperature ducting and heating elements in electrical appliances.

Advantages/Characteristics:

- Cures on exposure to moisture in the air to form a tough, flexible, silicone rubber gasket.
- Resists aging, weathering and thermal cycling without hardening, shrinking or cracking.
- Good adhesion to substrates like aluminium, mild steel, glass, ceramics, corks and many plastics.

Product Standard Compliance:

- ASTM C639,
- BS 5889

Company Standard Compliance:



Technical Information:

PROPERTIES	RESULTS
Chemical type	Oxime silicone
Appearance	Thixotropic paste
Color	White, Black, Clear
Specific gravity at 30 ± 2°C	1.02 -1.08
Flow, sag or slump at 30 ± 2°C	Non sag
Extrusion rate for 20g at 30 ± 2°C,	10 - 25 seconds
Pressure resistance at 30±2°C,	≥ 100 kg/cm ²
Curing tested at 30 ± 2°C	55 ± 5% RH
Skin forming time	5 - 10 minutes
Depth cure	≥ 3.0 mm/day
Tensile Strength	15 - 25 kg/cm ²
Elongation	≥ 350 %
Durometer Hardness	22 - 30 Shore A

Method of Application:

Substrate preparation Surfaces to be adhered or sealed should be free of dirt, oil and other contaminants. For best performance the surface with a solvent such as isopropyl alcohol acetone or methyl ethyl ketone or with coarse lint free cloth. A surface primer is recommended for hard to bond surfaces, such as some plastics. Apply a thin coat of primer after cleaning the surface with solvent, and allow drying for 5 to 10 minutes at room temperature. Note that the adhesive may not show polyethylene, polypropylene, polyacetal or Teflon. Method of application Adhesive/sealant can be applied directly from its collapsible tube or extruded from its cartridge. A plastic nozzle is supplied which can be cut to the desired orifice and shape to facilitate application. Apply a continuous bead of adhesive/sealant to prepared surface in a uniform thickness. If spreading is required, use enough pressure to spread the adhesive/sealant and displace any trapped air The adhesive/sealant bead size to be specified is a function of anticipated gap size for the part and the flange width.

Packaging:

REDOSEAL 600 is available in 600 ml foil pack, 50 pcs in a box




Storage & Shelf-life:

Shelf life is 9 months in unopened packs stored at bellow 5°C to 30°C in unopened Condition.

Health & Safety:

Should accidental skin contact occur, remove contaminated clothing and wash with warm soapy water. Do not scrub. If inhaled remove person to fresh air. Get medical advice if breathing becomes difficult. In case of contact with eyes, rinse immediately with plenty of clean water for at least 15 minutes and seek medical advice. If swallowed, give a glass of water to dilute and seek medical attention immediately - do not induce vomiting. For further information, refer to the appropriate Product Material Safety Data Sheet.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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