



RTV 936

HIGH TEMPERATURE INDUSTRIAL SILICONE SEALANT

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YOUR SMART ADVANTAGES

- One component, 100% silicone rubber
- The thixotropic nature of this product ensures that it will not slump, sag or run off surfaces
- Excellent electrical insulation properties
- Good resistance to weathering and moisture
- Good resistance to motor oils and some chemicals
- Excellent working temperature range: -60 to 275°C
- Adheres to a variety of substrates
- Meets the requirements of many industrial, mining and OEM applications

USES

- Industrial applications where high heat resistance is required
- Industrial ovens and boilers
- Domestic cookers and ovens
- Sealing and encapsulating heating elements in appliances
- Flues on gas appliances
- Household electrical and industrial heating equipment
- Smoke stacks
- Moving oven belts

PRODUCT CHARACTERISTICS

Colour	Red
Skin Time	4 minutes
Cure rate	4.5mm/24hours
Product code – 300g cartridge/15 per carton	30804666

TYPICAL PERFORMANCE DATA (approx.)

Shore "A" hardness – ASTM D2240	30 to 35
Modulus at 100% elongation – ASTM D412	0.75MPa
Tensile strength – ASTM D412	3.3mPa
Elongation at rupture – ASTM D412	500%

Tear strength – ATMS D624	11kN/m
Low temp limit (brittle point)	-30°C
Upper temp continuous use (2mm film /1000h)	275°C
Maximum peak temp recommended	300°C
72 hours	320°C
15 hours	350°C
15 minutes	350°C
Thermal conductivity – NF X 10021	0.25W/mK
At 30°C	0.22W/mK
At 150°C	
Shear Strength – NMRPS 748 (on Aluminium)	2.5MPa, 100% cohesive
14 days at 25°C	1.8MPa, 90% cohesive
+ 72 hours at 250°C	1.6MPa, 20% cohesive
+72 hours at 60°C/95% RH	
Dielectric properties	
Dielectric strength ASTM D419	
Dielectric constant at 1MHz – ASTM D150	23.3kV/mm
Power Factor at 1MHz – ASTM D150	2.4
Volume resistivity – ASTM D257	2.6.10-3
	7.3.10-15

DIRECTIONS FOR USE

Silicones are not always compatible with plasticized sealants, bitumen and some backing rods. The incompatibility may cause discolouration, poor sealant cure or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials may occur. Test and evaluate the material first to ensure it is suitable for your application.

SURFACE PREPARATION

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease. Use the two wipe

cleaning process for impervious substrates. Ensure the cloths are clean and changed frequently. Use a suitable cleaner such as Isopropyl Alcohol. Masking areas to be sealed gives a neater finish.

APPLICATION

A primer may be required for some substrates, consult your supplier for more information. Cut the nozzle to the desired width, cut the tip off the cartridge and attach nozzle. Apply an even bead ensuring good contact between the sealant and the substrate. Immediately tool the bead to ensure a good finish and remove masking tape. This must be done before the product skins.

LIMITATIONS

Bostik RTV 922 is NOT suitable for the following applications:

- Totally confined spaces where there is no atmospheric humidity, which is needed for curing
- Adhering mirrors
- Laminated glass
- Reflective glass
- Under water applications
- Below grade applications
- Concrete, cement, masonry or stone
- Soft, thin metals such as galvanizing, Zinalume®, brass, copper and bronze
- Trafficable surfaces
- Where painting is required.
- Do not clean or treat the silicone with materials, cleaning agents or solvent that may affect or discolour the silicone, particularly while curing.

CLEANING

Remove excess silicone using a clean cloth or polyethylene scraper. Do not use Isopropyl Alcohol to clean around uncured sealant. Cured silicone can only be mechanically removed.

STORAGE AND SHELF LIFE

Store in a cool dry place below 25°C and out of direct sunlight. Shelf life is 12 months from the date of manufacture when stored as directed.

DISPOSAL

Empty containers may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Collect and seal in properly labeled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways.

PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.co.nz for copies. Bostik RTV 936 is not classified as Dangerous Goods or as a Hazardous Substance. The product however, should be used in accordance with good occupational, health and safety practices. May cause irritation if swallowed, moderately irritating to eyes, vapour may cause irritation during the cure stage (if vapour in high concentrations). It releases acetic acid until fully cured. Do not swallow and avoid prolonged or repeated contact with the skin. If contact with the eyes occurs, wash eyes with copious quantities of water and consult a doctor if irritation persists.

For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMICALL, phone 0800 243 622.



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