



GASKET SEALANT

RTV SILICONE (RED)

TECHNICAL SHEET 16/09/2026

SMART ADVANTAGES

- Durable in harsh conditions
- Withstands Vibration and Thermal Cycling
- Versatile and reliable bonding
- High thermal and chemical resistance
- Permanently flexible after curing
- Resists oil, water, and automotive fluids
- Non-slump application for vertical and overhead surfaces

CHARACTERISTICS

- Bostik Gasket Sealant is a ready-to-use, solvent free silicone sealant which is primarily designed for general purpose sealing and bonding applications.
- It is a high-temperature gasket maker and automotive sealant, formulated as a non-slump acetoxo curing paste that cures to a permanently flexible silicone rubber upon exposure to atmospheric moisture at room temperature.
- Exhibits excellent resistance to weathering, UV exposure, moisture, and vibration, ensuring durable sealing performance under demanding service conditions.
- The consistency of the uncured material allows a high application rate and makes it a good choice not only for dispensing from a caulking gun but also for automatic dispensing.
- Once fully cured, Bostik Gasket Sealant RTV forms a resilient silicone rubber seal that maintains its flexibility and sealing performance at temperatures up to 260°C under continuous exposure and up to 317°C under intermittent exposure.
- Bostik Gasket Sealant is a high-performance, formed-in-Place Gasket (FIPG) material designed for sealing flanged joints in transmissions, compressors, pumps, and other equipment exposed to vibration, thermal cycling, and fluid contact.
- Due to variations in substrate composition, surface condition, and manufacturing processes, adhesion testing is recommended prior to use.

Bostik Gasket Sealant may also be used for:

- Assembling valve and timing cover, crankcase, radiator, thermostat.
- Bonding gaskets in heating and cooling systems appliances.
- Sealing connecting joints, flanged pipe joints.
- Repairing cables



TECHNICAL CHARACTERISTICS

Color	Red
Specific Gravity@ 25°C	1.02 ± 0.03 g/cm ³
Slump	Max. 3 mm
Tack-free Time*	7-20 minutes
Extrusion Rate	250-500 g/min
Shore A Hardness	15-30
Tensile Strength	Min. 1.0 MPa
Elongation at break	Min. 300%
Lap Shear Strength	Min. 0.5 MPa

*Depends on temperature and humidity

SURFACE PREPARATION

- Ensure all surfaces to be sealed are clean, dry, and free from dust, dirt, rust, oil, grease, and other contaminants that may impair adhesion.
- Non-porous substrates should be cleaned with a suitable solvent and wiped dry immediately using a clean cloth before the solvent evaporates. Porous substrates should be mechanically prepared by brushing, abrading, or sandblasting to remove loose material and contaminants.

APPLICATION METHODOLOGY

- Cutoff nozzle tip with the desired bead size and screw on the nozzle to the tube.
- The substrate must be dry and clean (dust and grease free).
- Apply the sealant in a continuous, uniform and even bead by exerting steady pressure on the tube. It is recommended to wear gloves during use.
- Apply an even bead to all sides with 2-4mm diameter. Refrain from repositioning once the skin has formed.
- If required, smooth and shape sealant with spatula dipped in a mild detergent.
- Excess uncured sealant may be removed using a cloth dampened with mineral turpentine or an appropriate solvent. Fully cured sealant can be removed mechanically by trimming with a sharp blade or knife.

CURING

- Under standard curing conditions, Bostik Gasket Sealant develops a tack-free surface within 8–15 minutes and typically reaches full cure within 24 hours

BEST RESULTS

- For a clean and uniform finish, apply masking tape along the joint edges prior to sealant application and remove the tape before the sealant begins to cure.
- Where painting is required, complete all painting operations prior to sealant application.

SAFETY PRECAUTION

- Use in well-ventilated areas
- Wear appropriate personal protective equipment, including safety glasses and gloves, during application.
- Avoid direct contact of uncured sealant with eyes, skin, and mucous membranes.
- In case of contact, rinse immediately with plenty of water and seek medical attention if irritation persists.
- Keep out of reach of children

STORAGE

- When stored in its original, unopened packaging under cool and dry conditions, the product has a shelf life of 18 months.
- Once opened, the package should be resealed immediately after use and stored appropriately to minimize exposure to moisture.

PACKAGING

Product Code	30631677
	30631676
	30634008
Size	Red 10x10g
	Red 32g
	Red 85g

DISCLAIMER

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