

Information about Silicone Elastomers

DOW CORNING

DESCRIPTION

Silastic® 1080 RTV Adhesive/Sealant is a one-part, neutral (non acid) silicone material of paste-like consistency that cures to a tough, rubbery solid when exposed to moisture in the air. It is especially recommended for corrosion sensitive materials where acid curing types of sealant cannot be tolerated or where curing odours may be objectionable.

Silastic® 1080 RTV Adhesive/Sealant will not flow of its own weight and can be applied to overhead or vertical joints and surfaces without slumping, sagging or running off. The material is specially formulated to adhere to clean metal — including chrome — painted surfaces, glass, ceramics, most plastics, non-oily woods, fibrous cement and concrete surfaces.

Silastic® 1080 RTV Adhesive/Sealant has excellent resistance to weathering, vibration, moisture, ozone and extreme temperatures. It can be applied at temperatures of -28°C to 70°C without loss of extrusion properties or curing characteristics. Fully cured Silastic® 1080 RTV Adhesive/Sealant can be used in applications where temperatures reach 232°C and up to 260°C for short periods.

SILASTIC® 1080 RTV NEUTRAL-CURE ADHESIVE/SEALANT

Type	One-part, neutral cure, room temperature vulcanising silicone rubber
Physical Form	
As Supplied	Non-slumping paste
As Cured	Tough, rubbery solid
Cure	Cures at room temperature, on exposure to water vapour in the air
Key Features	Non corrosive cure mechanism; good tear strength; wide service temperature range; resistant to ozone; moisture weathering
Colour	Translucent

USES

- Sealing of lock seams, welds and fasteners in metal fabrication.
- Sealing dissimilar metals and corrosion sensitive surfaces e.g. chrome, copper, steel.
- As formed-in-place gasket it replaces conventional cork, paper and rubber gaskets on gear boxes, differential housing pumps and compressors.
- Sealing vehicle windscreens, oven doors, access doors in glass-to-metal applications.
- Caulking joints in duct-work, cement surfaces and metal pipes.
- Attaching signs and sign letters to metal, masonry and concrete surfaces.

LIMITATIONS

Do not use where transitory or incidental food contact may be involved. Companion products Silastic® 732 RTV Adhesive/Sealant and Silastic® 738 RTV Adhesive/Sealant are available and both meet requirements of U.S. FDA Regulation No. 121.2562.

For applications involving sensitive electrical equipment, or where electrical properties are required, Silastic® 738 RTV Adhesive/Sealant is recommended.