

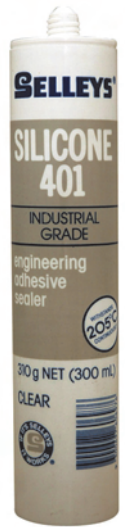
SILICONE 401 RTV

Description

Silicone 401 RTV is a one part ready to use, acid cure, room temperature vulcanising (RTV), silicone adhesive sealant. It cures rapidly on exposure to atmospheric moisture to form a versatile, durable, resilient silicone rubber. It is available in clear and black.

Uses

Silicone 401 is suitable for form-in-place gaskets and for adhesive, sealing and electrical insulating applications in manufacturing and plant maintenance.



Technical Features

- ▶ Wide Temperature Tolerance: Remains permanently flexible under operating temperatures from - 60°C to 205°C, and will tolerate short periods of 260°C
- ▶ Good Chemical Resistance: Good resistance to most organic and inorganic chemicals, solvents and oils
- ▶ Primerless Adhesion: Adheres without primer to many metal, glass, ceramic, rigid plastic, rubber painted and wood substrates
- ▶ Non-toxic: Suitable for incidental food contact in food handling equipment and food contact surfaces
- ▶ Excellent Weatherability: Excellent resistance to ozone, UV light and ageing
- ▶ Good Electrical Insulating Properties: Insulating properties are comparable to other insulating rubbers at room temperature, though performs better than many other rubbers at higher temperatures and water has little effect on these properties

Application Tips

- ▶ Not recommended for use with petrol, distillate and some other hydrocarbon solvents. These can cause softening and swelling which is undesirable in some applications.
- ▶ Do not use in totally confined joints where sealant is not exposed to atmospheric moisture
- ▶ Chemical compatibility should be tested for each application under consideration
- ▶ Cannot be over-painted

Technical Details and Performance

Indicative information only, not to be used for setting specifications.

Typical Application Properties

Consistency	▶ Non - sag, gun grade
Tack Free Time	▶ (25°C, 50% r.h.): 15 - 20 minutes
Skin Forming Time	▶ 5 to 10 minutes (depending on weather conditions)
Cure Time	▶ (3mm Section @ 25°C, 50% R.H.): 24 hours
Shrinkage During Curing	▶ Approximately 3.5% by volume
Specific Gravity	▶ 1.04
Storage Life	▶ (Below 30°C in original unopened container): 12 months

Typical Mechanical Performance Properties (3 day cure @ 25°C, 50% R.H.)

Tensile Strength (MPa)	▶ 1.2
Ultimate Elongation %	▶ 400
Hardness (Shore A)	▶ 25
Tear Strength (N/mm)	▶ 5.0
Joint Movement Capability	▶ ± 25%

Typical Electrical Properties (at Room Temperature)

Dielectric Strength kv/mm	▶ 21
Dielectric Constant @50Hz to 5MHz	▶ 2.6-2.8
Dissipation Factor Tan @50Hz-5MHz	▶ 20×10^{-4} to 5×10^{-4}
Volume Resistivity (ohm-cm)	▶ 1×10^{13} (wet 60°C) 1×10^{14} (dry 23°C)

Typical Thermal Properties

Brittle Point	▶ -60°C
Maximum Continuous Operating Temperatures	▶ 205°C
Maximum Intermittent Operating Temperatures	▶ 260°C

PRODUCT CODE	SIZE & PACK TYPE	COLOUR
9300697606976	310g cartridge	Clear

Coverage: 15 metre of a 5mm diameter bead

For additional information including Material Safety Data Sheets visit www.selleys.com.au. To obtain more detailed technical, usage and safety information including Technical Data Sheets phone Selleys on 1300 555 205.

IF IT'S SELLEYS IT WORKS