

AEROL®

**RTV
SILICONE SEALANT
FOR
PROFESSIONAL USE!**

**SEAL
BOND
GASKET
INSULATE**



Aerol RTV Silicone Sealants

Aerol is a leading manufacturer of several types of adhesive silicone sealants that are Room Temperature Vulcanizing, cure to tough, resilient silicone rubber and hence called RTV Silicone Sealants.

Typical properties of Aerol RTV Silicone Sealants are

- One part, ready to use.
- Cures within 24 hours on exposure to atmospheric moisture, at room temperature.
- Acetoxycure type release acetic acid during cure process and hence limits use on certain metals due to risk of corrosion.
- Neutral cure type release alcohol, ammonia or ketoxime which is virtually non-corrosive to metals.
- Primer less adhesion to glass, metals, ceramics, stone, masonry, many plastics and wood.
- Excellent weather resistance over long periods. Do not show signs of ageing or deterioration over decades.
- Excellent resistance to chemicals. Ozone, mild acids, alkalies and several other chemicals have no effect.
- Resistant to temperature extremes. Serviceable from -50 to 250°C depending upon grade and properties.
- Available in several colours and consistencies- Non-sag (Thixotropic), Viscous Liquid (Self-setting) and Thin liquids.

GPA - General Purpose Acetoxy

GPA type RTV Silicone Sealants are acetoxy cure, extended preparations designed for economy price. They cure to a high modulus rubber and are suitable for several applications of sealing, bonding and gap filling. They demonstrate excellent adhesion to metals, glass, many plastics and common construction materials. It may cause corrosion to uncoated copper, lead, zinc substrates etc.

Colour : Clear, Black & White

Net : 280 ml

PSA - Pure Silicone Acetoxy

PSA type RTV Silicone Sealants are 100% pure acetoxy cure, silicone preparations designed for excellent adhesion, weather ability. They are suitable for many applications of sealing, bonding, gasketing, insulating and gap filling. They demonstrate excellent adhesion to metals, glass, many plastics and common construction materials. It may cause corrosion to uncoated copper, lead, zinc substrates etc.

Colour : Clear

Net : 300 ml

PSN - Pure Silicone Neutral

PSA type RTV Silicone Sealants are 100% pure oxime cure, silicone preparations designed for high quality and reliable performance. They are suitable for many applications of sealing, bonding, gasketing, insulating and gap filling. They demonstrate excellent adhesion to metals, glass, many plastics and stone/masonry. They are virtually non-corrosive to metals.

Colour : Clear & White
Net : 300 ml



WPS - Weatherproof Sealant

WPS type RTV Silicone Sealants are 100% pure oxime cure, silicone preparations designed for high quality and reliable performance. They are suitable for many applications of sealing expansion joints, perimeter joints, glazing, bonding, gasketing, insulating and gap filling. They demonstrate excellent adhesion to metals, glass, many plastics and stone/masonry. They are virtually non-corrosive to metals and are unaffected by exposure to severe weather conditions over long periods.

Colour : Black
Net : 300 ml



Special RTV Silicone Sealants

Aerol® RTV Silicone Sealant, Grade 1376

is a fast curing, one part, neutral cure, flow able paste that cures to a tough, elastic, high temperature resistant red- colored silicone rubber.

Typical Specifications

Form	Flow able paste
Colour	Red
Tack free time, m	< 15
Serviceable temperature, °C	-60 to 300

Aerol® RTV Silicone Sealant, Grade 1378

is a fast curing, one part, neutral cure, flow able paste that cures to a tough, elastic, high temperature resistant translucent silicone rubber.

Typical Specifications

Form	Flow able paste
Colour	Translucent
Tack free time, m	< 15
Serviceable temperature, °C	-50 to 200



Aerol® RTV Silicone Sealant, Grade 1165

is a solvent based, one part, neutral cure, thin liquid that cures to a tough, elastic, high temperature resistant translucent silicone rubber.

Typical Specifications

Form	Thin Liquid
Colour	Red
Tack free time, m	< 90
Serviceable temperature, °C	-60 to 250

These grades are used for sealing, bonding, gasketing and insulating / potting applications in Industrial, Automotive, Electrical and Electronics applications.

Adhesive Properties

Substrate	GPA	PSA	PSN	WPS
Glass	E	E	E	E
Mirror	NR	NR	G	E
Aluminum	E	E	E	E
Ferrous metals	G	G	E	E
Zinc, Copper	NR	NR	G	E
Lead	NR	NR	G	E
Acrylic	G	G	G	G
Common plastic	G	G	G	G
Polycarbonate	G	G	G	G
Concrete	G	G	E	E
Marble	NR	NR	G	G
Limestone	NR	NR	G	G
Granite	G	G	E	E
Structural Glaze	NR	NR	NR	NR
Under water	NR	NR	NR	NR
Sanitary	NR	NR	G	G

E-Excellent, G-Good, NR- Not Recommended

Typical Specifications

Properties	GPA	PSA	PSN	WPS
Colour	C, B & W	C	C & W	B
Consistency	Non-Sag	Non-Sag	Non-Sag	Non-Sag
Specific Gravity	0.95	1.00	1.00	1.33
Tack-Free time, min	< 20	<20	< 20	< 30
Hardness, Shore A	22	28	27-30	27-30
Tensile Strength, Mpas	1.9	1.6	2.0	0.5
Elongation at break, %	500	450	350	170
Serviceable Temperature, °C	-40 ~ 100	-40 ~ 185	-40 ~ 185	-50 ~ 150

C - Clear/translucent, B - Black & W - White

Manufactured by:
Aerol Formulations P. Ltd.

An ISO 9001 Certified Co.

Regd. Office:

H - 39, Bali Nagar, New Delhi - 110015 (India)

T. (+ 91 11) 2592 0390 (4 lines) & 45552777 (8 lines)

F. (+ 91 11) 2592 0394

E. sales@aerolgroup.com

W. www.aerol.in