

## AerSeal™ Silicone Sealant

### General Information

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Schneller AerSeal™ silicone Sealant is a fast-curing, high-strength acetoxy silicone RTV rubber developed for applications requiring fast development of physical properties. The sealant is a one-part silicone that when applied to the substrate allows handling of the bonded assembly within minutes. Schneller AerSeal™ silicone sealant can be used with Schneller products, including AerMat™, PanFlor™, AerTrim™, AerFilm LHR® and AerForm™.

### Product Features

- Fast room temperature cure
- Thixotropic paste
- Convenient, heat-accelerated instant-cure capability
- Temperature range: -40°C to 204°C (-8°F to 399°F)

### Product Features

- 3 oz. tubes, 10.3 oz. cartridges & 40 lb. pails
- Shelf life – 12 months from date of shipment if unopened and stored in original container, in a dry location, and at temperatures less than 80°F (27°C)

### Typical Properties

UNCURED	AerSeal	CURED – R.T. – 72hrs. @ R.T.	AerSeal
Color	Custom	Tensile Strength (psi)	750
Viscosity	500,000 cps	Elongation	850%
Specific Gravity	1.12	Durometer, Shore A	38
Consistency	Thixotropic paste	Dielectric Strength (V / mil)	>500
Working time	4 mins. at R.T.	Dielectric Constant	2.8
Tack Free Time	12 mins. at R.T.	Dissipation Factor	0.001
Application Rate, 90 PSI, g/min.	250	Volume Resistivity, ohm*cm	2.0 x 10 <sup>14</sup>
		Thermal Conductivity	0.0005
		Coefficient of Thermal Expansion (in / in / °F)	20 x 10 <sup>-5</sup>

### Heat Accelerated Curing

Cure speed can be accelerated with hot air to nearly instant cures exhibiting surprisingly fast adhesion. A one minute hot air stream exposure, followed by a one minute cool-down in a humid environment, results in cured elastomer condition exhibiting outstanding adhesion.