

AerSeal™ Silicone Sealant

General Information

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Schneller AerSeal™ silicone Sealant is a fast-curing, high-strength acetoxysilicone 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	2.0×10^{14}
		Thermal Conductivity	0.0005
		Coefficient of Thermal Expansion (in / in / °F)	20×10^{-5}

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.