

**INDUSTRY
SOLUTIONS.**

**Material
Solutions.**

CHT

**SMART CHEMISTRY
WITH CHARACTER.**



chemical-concepts.com

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SiLSo ADHESIVES

- ▶ Compatible with a wide range of substrates
- ▶ Strong adhesion and high performance
- ▶ Environmentally resistant
- ▶ Chemical durability

SiLSo APPLICATIONS

Silicone Solutions that make your life easier.



SilSo ADHESIVES

Ceramics, metal, glass, plastic or wood; each material has it's own unique properties and will serve a special function. To join them together, you need something that is equally unique but also compatible. You can trust in our SilSo ADHESIVES: Resistant to heat, moisture and chemicals, they will bond and seal a wide range of substrates in a variety of components and applications. The different crosslinking systems will support each specific technical requirement.

SilSo APPLICATIONS

Silicone Solutions that make your life easier.

SilSo ADHESIVES							
Adhesives	Product	Features	Rheology	Hardness Shore A	Tensile MPa (psi)	Elongation %	Max Temp °C
1-Part RTV Acetoxy Cure							
	ALPATEC 5663/20	Black self-levelling liquid 8,500 mPASRTV, excellent latex release, suitable for belt coatings, quick tack free time	Flowable	15	1.0 (145)	350	200
	ALPATEC 414	Low viscosity, high temperature	Flowable	40	1.4 (203)	200	300
	AS1500	White, fast curing adhesive, high temperature	Paste	40	2.3 (334)	270	300
	AS1501	Translucent	Paste	40	2.3 (334)	280	250
	AS1508	Black, fast curing adhesive, high temperature	Paste	40	2.3 (334)	290	300
1-Part RTV Oxime Cure							
	AS1603	Translucent paste RTV with excellent primerless adhesion to plastics	Paste	33	2.2 (319)	300	220
	AS1620	Fast curing, self-levelling translucent	Flowable	25	2.0 (290)	400	220
1-Part RTV Alkoxy Cure							
	AS1701	Black, RTV paste with thermal conductivity 0.6W/mK	Paste	52	2.4 (348)	200	220
	AS1740	Meets MIL A-46146B, self-levelling translucent RTV, non-corrosive, excellent adhesion, UL94 HB approved	Flowable	27	1.8 (261)	400	200
	AS1745G	Meets MIL A-46146B, high temperature, grey, non-corrosive, excellent adhesion, high strength	Paste	35	7.75 (1124)	830	300
1-Part RTV Acetone Cure							
	AS1802	Thermally conductive 2.3W/mK, black, non-corrosive, excellent adhesion, UL94 V-0 black version available	Paste	67	3.9 (566)	103	220
	AS1803	Thermally conductive 1.6W/mK, white, non-corrosive, excellent adhesion, UL94 HB approved	Paste	65	2.8 (406)	94	220
	AS1805	High temperature, fast neutral curing, non-corrosive	Paste	50	1.7 (247)	270	300
1-Part RTV Addition Cure							
	AS1420	Thermally conductive 1.4W/mK, heat cured, semi flowable	Flowable	67	3.1 (450)	70	260
	AS1421	Thermally conductive 2.1W/mK, heat cured, UL94 V-0 approved	Flowable	56	2.2 (320)	105	210

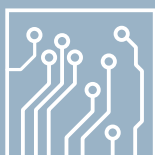
The data are standard values and not suitable for establishing specifications! Please note that the given values were determined in the laboratory and have to be verified in tests on your own for your specific manufacturing under the conditions in practice. Liability cannot be derived from this information. Liability can be assumed only for the consistently high quality of our products.

10/2020

More SilSo APPLICATIONS



SilSo INJECTION Moulding
Liquid Silicone Rubber



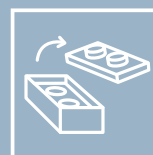
SilSo ELECTRONICS
Electronic Potting



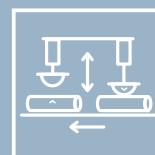
SilSo MEDICAL
Medical Applications



SilSo TRANSPORTATION
Mobility & Transportation



SilSo MOULDING
Mould Making & Rapid Prototyping



SilSo PAD PRINTING
Silicone Print Pads