

TECHNICAL SPECIFICATION
Conductive silicone adhesives

Description

Room temperature curing elastomer; they are supplied as readily extrudable paste that cures rapidly when exposed to atmospheric moisture. When completely cured, these conductive adhesives series are highly resilient elastomers that exhibit superior adhesion to a variety of substrates as well as low volume resistivity.

Features

- Electrically conductive
- Non corrosive
- One part – no mixing
- EXCELLENT ADHESION TO VARIOUS SUBSTRATES

Application

Surface to be bonded must be clean, dry and oil free. Typical solvents used to clean substrates are acetone, methyl ethyl ketone, xylene and isopropyl alcohol. Apply adhesives directly from their package to the desired area. If this product is to be used as a sealant, it should be applied liberally to the interface. It is important to force adhesives into the material being bonded as much as possible. If maximum adhesion and RFI shielding are desired, apply weight to the sealed interface during cure. For better adhesion, we recommend to use a primer such as DOW CORNING® 1200 OS or equivalent.

Safety and handling information

WARNING! Contact with adhesives is irritating to skin and eyes. If contact is e with the skin, the excess should be wiped off with a dry cloth or paper towel followed by a waterless hand cleaner such as the type used to clean grease or oil from the skin.

Clean up

Uncured adhesives may be removed from a surface with xylene or acetone.

Storage Information

Shelf life of adhesives are one (1) year from date of manufacturing provided the products are stored in the dry, tightly sealed, original container below 23°C (73.4 F).

Standard tube

- 0.5 fl. oz. (metal tube)
- 1.0 fl. oz. (metal tube or cartridge)
- 2.5 fl. oz. (cartridge)
- 10.3 fl. oz. (cartridge)

1. Technical data (typical values)

Product Code	Normative References	Unit	CSA.NG Nickel Graphite	CSA.SPG Silver Glass	CSA.SNK Silver Nickel	CSA.SPA Silver Aluminum	CSA.SPC Silver Copper	CSA.S Pure Silver
Color	N/A		Dark Grey	Light Tan	Tan	Blue	Dark Tan	Tan
Consistency	N/A		Thick paste	Thick paste	Thick paste	Thick paste	Thick paste	Thick paste
Specific Gravity (typical)	ASTM D792	g/cm ³	2,3	1,82	3,58	1,86	3,58	4,20
Hardness (+/-5)	ASTM D2240	Shore A	65	70	75	68	70	65
Volume Resistivity (Max)	MIL-DTL-83528	Ohm -cm	0,10	0,01	0,008	0,01	0,008	0,005
Lap shear strenght (minimum)	REF 95-40-5300	PSI	70	120	120	175	200	225
Operating temperature range	N/A	°C	-50/+200	-50/+200	-50/+200	-50/+200	-50/+200	-50/+200
Skin Over	N/A	Min	15	15	15	15	15	15
Tack free	N/A	Min	45	90	90	90	90	90
Cure for handling	N/A	HRS	12-24	12-24	12-24	12-24	12-24	12-24
Full cure	N/A	HRS	72-144	72-144	72-144	72-144	72-144	72-144
Tensile strenght (minimum)	ASTM D412	PSI	250	250	250	200	250	250
Elongation (minimum)	ASTM D412	%	30	35	35	35	40	35