



EL-TECH 255SI

ELECTRICALLY CONDUCTIVE SILICONE ADHESIVE & SEALANT

Revision 2

● PRODUCT DESCRIPTION

EL-TECH 255SI is a silver plated aluminum and silver blend filled, two component, solvent free silicone based flexible adhesive and sealant for use as a fillet gap filler and seam sealant on electrical enclosures for EMI shielding or electrical grounding. EL-TECH 255SI is a room temperature or heat cure product which can be used for EMI/RF shielding, creating EMI gasket, repair of EMI gaskets or bonding silicone based EMI gaskets. EL-TECH 255SI can be bond to metals, plastics, composites, silicones and even gold/gold plated surfaces. Does not require any primer. EL-TECH 255SI provides excellent galvanic corrosion resistance when applied on to the aluminum substrates. Typical applications include man portable electronics, radar and communication systems, EMI vents, military ground vehicles, and shelters. Product has self leveling properties on to the applied surfaces and can be easily applied by dispensing systems.



● CURING PROPERTIES

25°C	65°C
24 hr	90 min
Pot Life: 60 min	

● UNCURED PROPERTIES

Base	Silicone
Mix Ratio	2:1 (weight and volume)
Color	Silver
Specific Gravity	2,5
Viscosity (cps)	Paste Like





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● CURED PROPERTIES

Hardness Shore A	20-30
Operating Temperature	-55° C to 150° C
Volume Resistivity	0.020 Ω-cm
Thermal Conductivity	2 W/mK
Shrinkage	<1%
Weight Loss, (1 week at 150°C)	0.25%

● STORAGE AND SHELF LIFE

EL-TECH 255SI is available in separate container packaging. The materials can be used with either pressure/time or positive displacement dispense equipment. All materials should be stored in a cool place when not used for an extended period of time. Shelf life of this product is nine (9) months at 23 C when stored in original sealed container.

