

Technical Data Sheet

ECS SI-COAT

Art. Nr. 772

Product Description

SI-COAT is a transparent, flexible and heat resistant silicone modified conformal coating. **SI-Coat** is ideal for the protection of electronic components and equipment against moisture, dirt, chemicals and other contaminations in very high temperature environments. It prevents corrosion of electronic components and keeps it effectiveness up to 500°C. **SI-Coat** is flame-retarding (according UL 94), flexible and has a good adhesion. The UV-Indicator guaranties a fast and safe visual inspection of the covered area under UV-light, for quality control.

Applications

SI-Coat improves reliability and extends the life of electronic circuits. Its main and primary applications are PCB's in automotive, military, marine, aerospace, lighting, mobile electronics, communications, instrumentation and high temperature industrial control devices.

Directions

The surface to be treated have to be free of dust, oil, greases, wax, paint- and flux residues. We recommend **ECS CONTACT CLEANER** for pre-leaning.

Spray **SI-COAT** on the whole surface of parts to be treated, maintaining a distance of approximately 20-30 cm.

Do not use close to flames, sparks or hot surfaces. Make sure that the electrical devices are switched-off and plug is taken out. Allow the solvents to evaporate completely before re-activating the equipment. Take care of good ventilation at your work-place.

Storage / Shelf Life

If stored correctly shelf life is 2 years. Package after emptying to be disposed via metal scrap



Technical Data

Appearance:	yellowish
Specific gravity:	0,80g/cm3
Temperature resistance:	-45°C - +300°C
Short-term:	up to 500°C
Drying time at room conditions:	appr. 60-80 min dry to touch 24 hours totally cured
Viscosity at 23°C :	220 -330 mPas
Content not volatile compounds:	50%
Dielectric strength:	110 kV/mm
Dielectric constant:	3,09 (DIN 53483)
Surface resistance:	7,5x10 ¹⁶ Ω



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