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Water/Moisture Barrier

Passes Flower of Sulfur Test

IPC-CC-830C Certified Conformal coating

Dip, Brush or Spray Coating

Ultra-High Insulation Resistance

IDEAL FOR:

Industrial Corrosive Gases Protection

Excellent for high sulfur environments

Protection in hazardous environment from -55°C to 125°C

Proven moisture-heat, salt-spray protection

"Parylene" performance with reparability

DESCRIPTION:

SC7130-CC is a non-silicone, transparent, electrically insulating conformal coating that meets and exceeds Parylene performance at the same thickness. The dried coating is hydrophobic in nature with outstanding direct sun and UV exposure stability. Proven outstanding moisture and water barrier for proven protection of circuit boards for aeronautic electronics even when exposed to salt-spray hot ocean weather. The outstanding flexibility and adhesion on printed circuit board provide interfacial stress reduction in achieving long-term reliability.

SC7130-CC is a fluorinated polymer based conformal coating that are ideal for blocking moisture and corrosive gases including sulfur dioxide, hydrogen sulfide and other corrosive gases. It can also be brushed or sprayed onto metals and joints to protect against corrosion.

AVAILABILITY:

SC7130-CC is available in pint and gallon containers.

APPLICATION PROCEDURES:

1. Clean coating surfaces to remove grease, dirt, and contaminants. Mask off any areas that should not be covered.
2. Dip-brush or spray coating on designated areas.
3. For spray coating, airless spray is preferred. For air spraying, please reduce and adjust air intake and proximity to the spraying areas for optimized results.
4. Double coating processes are generally recommended to ensure full and complete coverage at thickness of 15-50 micron.

CAUTION: This product may cause skin irritation. Avoid skin contact. If contact does occur, wash immediately with soap and water. Please refer SDS for more details.

The information contained herein is believed to be reliable. All recommendations or suggestions are made without guarantee inasmuch as conditions and methods of commercial use are beyond our control. Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is to be used in manufacturing and in the final product. Under no circumstance shall AI Technology be liable for accidental, consequential or other damages arising from the use or handling of this product.

While AI Technology owns all proprietary rights of material formulations of its products, specific usage in the manufacturing of certain products may involve patent rights of other companies.

FLUROSEAL
SC7130-CC

TYPICAL PROPERTIES*

Electrical Resistivity (25°C/ As is)	>1x10 ¹⁴ ohm-cm
Dielectric Strength (Volts/mil)	>550
Glass Transition Temp.(°C)	-55 ±10%
Current Carrying Capabilities	N/A
Lap-Shear Strength	N/A
Device Push-off Strength	N/A
Hardness (Type)	N/A
Cured Density (gm/cc)	1.6
Thermal Conductivity	1.4 Btu-in/hr-ft ² -°F ±10% 0.20 W/m-°C ±10%
Linear Thermal Expansion Coeff. (ppm/°C)	75 ±15%and
Maximum Continuous Operation Temp. (°C)	<150
Pot Life	Same as shelf-life
Viscosity	5 rpm 600 cps ±10%
Thixotropic Index	1.0

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Cure or Drying

<u>Temperature</u>	<u>Time</u>	<u>Pressure</u>
25°C	>30 min	

Please use under suitable ventilation and/or provision to avoid excessive inhaling of solvent.
 Shake solution well to ensure uniform solution at least 30 minutes before using.
 Insulation Resistance Per IPC-TM-650, Method 1.6.3.4>10e11Ω (1100 times the highest requirement)

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	1 yr in sealed package