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Low Viscosity

- Liquid Coating for Ease of Use**
- Outstanding Moisture Barrier**
- Excellent Protection from Salt-Fog**
- Withstand Thermal Cycles -55C to 125C**

IDEAL FOR:

- Extremely Moisture Sensitive Electronics**
- Conformal Coating for Circuit Boards**
- Battery Terminals Protective Coating**
- Salt-fog Protection for Metal Surfaces**

DESCRIPTION:

CC7130-PRTC is a low viscosity version of CC7130-PR for thin coating. It is a translucent coating liquid. It provides excellent protection for electronic components and devices that are highly sensitive to moisture. CC7130-PRTC, coated on PCB, provides more than 200 giga-ohm resistance at 1000 volt even when the board is in direct contact with salt water. It protects PCB to 1000 volt even after prolong exposure to 85C/85% humidity. In accelerated aging test, submerging in 5 wt% salt waters at 60C, it protects copper surfaces for >24 hours. It is flexible to withstand extreme temperature cycles in outdoor environment.

CC7130-PRTC can easily be dispensed using conventional tools without vacuum deposition equipment. Compared to acrylic or urethane materials, CC7130-PRTC material has low moisture absorption and low moisture transmission rate.

AVAILABILITY:

CC7130-PRTC is available in Pints, Quarts and Gallons packaging.

APPLICATION PROCEDURES:

1. Clean surfaces. Remove grease, dirt and other contaminants.
2. Shake bottle to make sure solution is homogenous.
3. Spray, brush or dip-coat on parts and components requiring protections.
4. 10-30 micron coating (1-3 mil) is recommended for typical conformal coating application. Double (or more) coating is recommended for more critical application.

AI Technology will work with customers closely to make adjustments to customers special requirements.

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.

PRIMA-PROTECT
CC7130-PRTC

TYPICAL PROPERTIES*

Electrical Resistivity (25 °C/ As is)	>1x10¹⁴ ohm-cm
Dielectric Strength (Volts/mil)	>700
Glass Transition Temp.(°C)	-55 ±10%
Lap-Shear Strength	N/A
Device Push-off Strength	N/A
Hardness (Type)	30 (Shore A)
Cured Density (gm/cc)	1.0
Thermal Conductivity	1.4 Btu-in/hr-ft²-°F ±10% 0.20 W/m-°C ±10%
Linear Thermal Expansion Coeff. (ppm/°C)	90 ±15%
Maximum Continuous Operation Temp. (°C)	<125C
@5 rpm Brookfield Viscometer 700 Cp	
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Cure or Drying

<u>Temperature</u>	<u>Time</u>	<u>Pressure</u>
25°C	30min	ambient
60°C	5min	ambient

CC7130-PRTC is an alternative to Parylene protection for highly moisture sensitive equipment.

CC7130-PRTC can be used on Automotive and Solar Electronic Boards that are exposed to frequent thermal and humidity cyclings.

.Dielectric constant: 2.9; Dielectric loss: <0.01.

SHELF LIFE:

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