

# PC-3112 Conformal Coating

## Fluorinated Electronic Coating



- Provides moisture protection
- Quick dry time ( 3-5 seconds)
- 0.1-1 micron coating thickness

**PC-3112** is a non-toxic, transparent fluoropolymer conformal coating engineered to create an ultra-thin film layer ranging from 0.1 to 1 micron in thickness. Its rapid drying capability at ambient temperature, typically within 3 to 5 seconds, significantly enhances operational productivity. Compatible with various substrates such as metal, plastic, and glass, this coating is versatile in its application.

**PC-3112** is used as a protective coating for electronic components including PCBs, providing protection from moisture, corrosion, and corrosive gases. It is a high performance conformal coating, that provides increased protection, efficiency, and longevity of electronic components.

### Specifications

Property	Value	Unit
Physical State	Liquid	-
Appearance	Transparent	%
Solvent	Hydrofluoroether solvent	-
Melting Point	-135	°C
Boiling Point	61	°C
Vapor Density	8.6	kg/m <sup>3</sup>
Density	1.5	g/ml
Viscosity (@23 °C )	0.6	mPa-s
Water Solubility	<12	ppm
Volatile Substance	98	%
Cure time	3-5	sec
Glass Transition Temp	44	°C
Static contact angle	120 °C	on glass
Dynamic phase difference angle	18 °C	

### Storage and Handling

Shelf life is 2 years if The product is supplied in 1L, 15L, and 180L quantities and should be kept in a cool (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes.

#### Europe

Industrieweg 15E,  
1566JN Assendelft  
The Netherlands  
Phone: +31 (20) 893 2224  
Email: info@caplinq.com

#### Canada

80 Sirocco Crescent  
Ottawa ON, K2S 2C9  
Canada  
Phone: +1 (613) 482-2215  
Email: info@caplinq.com



#### North America

36927 Schoolcraft Rd  
Livonia, MI 48150  
United States  
Phone: +1 (313) 558-8243  
Email: info@caplinq.com

#### South East Asia

S-08-07 Persiaran Triangle  
B Lepas, Penang 11900  
Malaysia  
Phone: +60 (12 )4302223  
Email: info@caplinq.com