

KE3421 Conformal Coating

FEATURING:

- 100% Silicone Solids, Low Viscosity
- Fast, “No-Energy” Room temperature Cure
- Non-Corrosive, Self priming adhesion
- Single Component Chemistry
- UL Recognized Material

Shin-Etsu KE3421 is a conformal coating specially processed to offer outstanding insulation performance over a wide range of temperature (-65°C to 200°C). The coating cures quickly upon exposure to atmospheric moisture and exhibits excellent adhesion to most printed circuit board substrates.

TYPICAL PROPERTIES

Before Cure		
	Appearance	Transparent clear to amber
	Viscosity, 25°C, cps	250
	Specific Gravity, 25°C	1.00
	Tack Free Time, min.	<5
Cure Type	Moisture	
% Solids	100%	
Physical Properties		
	Hardness, Shore A	35
	Tensile Strength, PSI	100 psi
	Elongation, %	80
	Shear Strength, AL-AL	30 psi

Electrical Properties		
	Volume Resistivity,	1×10^{14} ohm-cm
	Dielectric Strength	25 kV/mm
	Dielectric Constant, 60Hz	3.1 max
	Dissipation Factor, 60Hz	1×10^{-4}
Application Method	Selective Spray Manuel Dip, Brush Bulk Spray	
UV Tracer	Yes	

SHELF LIFE

The shelf life for KE3421 when stored at 25°C or below is six months from date of shipment. When stored in the original unopened container.

CURE

For optimal properties the recommended cure schedule for KE3421 is 3 hours at 25°C and 50% RH in depths of 8 mils or less. The product will become tack free in >5 minutes.

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