

# CONAP® CE-1171

Acrylic  
Cytec Industries Inc.

**Message:**

CONAP CE-1171 is a single-component acrylic conformal coating that has been formulated in Rule 66 exempt solvents and meets the latest requirements of MIL-I-46058C for Type AR coatings.

CONAP CE-1171 is designed for thin-film applications on components and printed circuitry. It was developed specifically for its fast drying time and reparability and to provide the ultimate in humidity resistance and hydrolytic stability. CONAP CE-1171 retains excellent flexibility to prevent fracturing of fragile components during thermal cycling. Electrical properties are outstanding.

Cured films maintain excellent adhesion to phenolic and epoxy glass laminates even in adverse environmental conditions. Components may be removed by melting through the coating with a soldering iron, or the entire coating may be removed with a suitable solvent. A tracer dye has been incorporated to aid inspection under ultra-violet light.

General Information			
Features	Fungus Resistant		
	Good Electrical Properties		
	Good Flexibility		
	Halogen Free		
	Humidity Resistant		
	Hydrolytically Stable		
Uses	Coating Applications		
	Electrical/Electronic Applications		
	Film		
Agency Ratings	MIL I-46058C		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm <sup>3</sup>	
Solids Content	30	%	
Viscosity (25°C)	900	mPa · s	Brookfield
Flame Resistance	Self-extinguishing		
Flash Point	18	°C	
Fungal Resistance	Non-nutrient		ASTM G21
Electrical	Nominal Value	Unit	
Volume Resistivity (25°C)	2.0E+15	ohms · cm	
Dielectric Strength	> 120	kV/mm	
Dielectric Constant (25°C, 100 Hz)	2.50 to 3.00		
Dissipation Factor (25°C, 100 Hz)	0.010		
Insulation Resistance <sup>1</sup> (25°C)	> 1.5E+13	ohms	
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (25°C)	78	wk	

## NOTE

1. Initially and 50% R.H.

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## Recommended distributors for this material

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