

# Coatings

## Why use coatings?

Protective coatings are necessary to ensure a long and effective working life of electrical and electronic components. MG Chemicals offers a wide range of coatings suitable for protecting circuit boards, windings & coils, transformers, field coils, and stator windings from electrical arcing, environmental factors, and physical force.

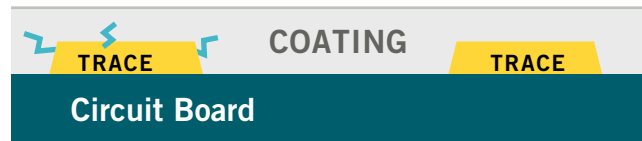
### What is arcing?



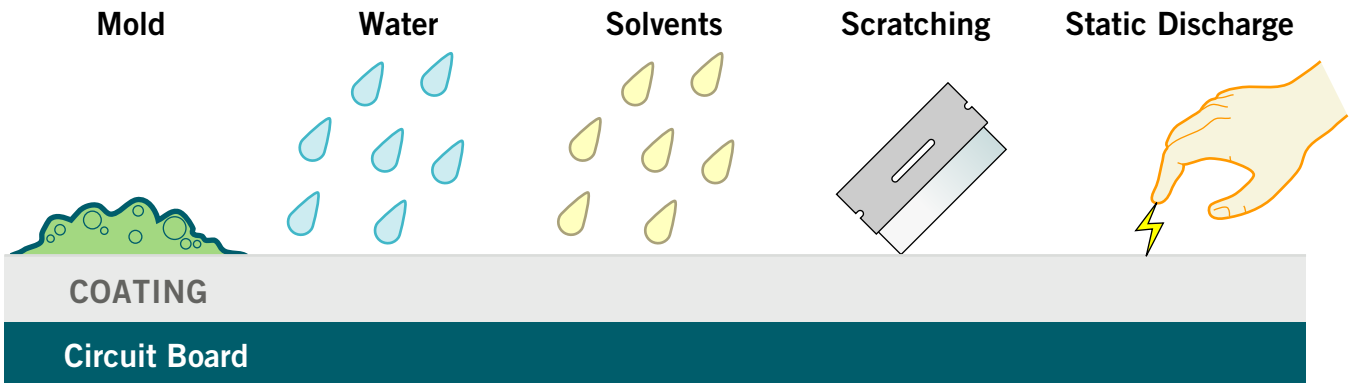
**Arcing occurs when voltage jumps from one surface to another due to the close proximity of parallel currents. The result is a board malfunction or damaged components. It may occur on any circuitboard without a coating.**

## What can coatings do?

### ▶ RESIST ARCING



### ▶ RESIST ENVIRONMENTAL AND PHYSICAL FORCES



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# Coatings

Type	Acrylic	Silicone	Urethane	Red Insulating	Super Corona
Cat. No.	419B	422A /422	4223	4228	4226
Moisture Resistance	Extreme	Extreme	Extreme	Extreme	Extreme
Acid Resistance	Moderate	Low	Extreme	Moderate	Moderate
Temperature Resistance	Moderate	High	Moderate	Moderate	Moderate
Flexible or Hard Finish	Hard	Flexible	Hard	Flexible	Flexible
Dielectric Strength (V/mil)	2000	2000	2650	3100	4100 (Baked cure)
Color	Clear	Clear	Clear	Red	Clear
Formats Available	Aerosol/Liquid	Aerosol/Liquid	Liquid	Liquid	Liquid



419B-55ML



422-55ML



4223-55ML



4228-55ML



4226-55ML

Larger sizes available in liquid.



4190-GP 419B-340G



422A-P 422A-340G



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