

Conformal Coatings

Konform® Conformal Coatings are used to protect printed circuit boards, components and flex circuitry. These coatings provide excellent electrical insulation and withstand hot and cold operating environments, as well as heat generated by electronic circuitry. Formulated to protect components and circuits in the most demanding of environments, all Konform® conformal coatings contain a UV indicator for easy quality assurance. These tough, transparent coatings will not chip or crack, thereby providing excellent protection. All are convenient and ready to use.

Konform® Conformal Coatings are engineered for applications in:

- Aerospace, marine manufacturing, electrical equipment, instrumentation and data communication
- Printed circuit board and flex circuit protection
- Withstanding severe environmental stress, thermal shock, mold and fungus attack



Product Selection Guide

	Resistance					Underwriters Laboratories					Coating Characteristics					Product Characteristics			
	Temperature Resistance	Abrasion Resistance	Acid Resistance	Solvent Resistance	Humidity Resistance	Water Submersible Per UL	UL Recognized	UV Traceable	System	Flexibility	Solderability	Repairability	Dielectric Breakdown	Working Temperature		Aerosol	Liquid	Tack Free Time	Full Cure Time
Konform® SR	1	4	2	2	1	✓	✓	✓	Solvent	1	4	3	1100	-85°F to 390° (-65°C to 200°C)	21.0 sq. ft.	250 sq. ft.	15 min.	24 hrs. @ RT	
Konform® SR High Viscosity	1	4	2	2	1			✓	Solvent	1	4	3	1100	-85°F to 390° F (-65°C to 200°C)	NA	718 sq. ft.	15 min.	24 hrs. @ RT	
Konform® AR	2	1	1	3	1		✓	✓	Solvent	4	3	4	8300	-75°F to 270° F (-59°C to 132°C)	20.2 sq. ft.	254 sq. ft.	30 min.	24 hrs. @ RT	
Konform® Ultra	2	2	1	3	1			✓	Solvent	4	3	3	8300	-75°F to 270° F (-59°C to 132°C)	20.2 sq. ft.	254 sq. ft.	10 min.	24 hrs. @ RT	
Konform® Flexcoat	3	3	2	2	1			✓	Solvent	1	3	3	2550	-31°F to 212° F (-35°C to 100°C)	13.5 sq. ft.	144 sq. ft.	20 min.	24 hrs. @ RT	
Konform® UR-A	3	1	1	1	4			✓	Water-based	3	3	4	3340	-85°F to 257° F (-65°C to 125°C)	NA	577 sq. ft.	1 hr.	24 hrs. @ RT	
Konform® HR	3	1	2	2	4			✓	Water-based	4	3	4	7100	-31°F to 212° F (-35°C to 100°C)	NA	577 sq. ft.	1 hr.	24 hrs. @ RT	

1 – Outstanding 2 – Excellent 3 – Good 4 – Fair NA – Not Available

Konform® SR

The silicone coating engineered for maximum flexibility and protection from extreme temperatures and vibration damage

- Silicone coating working temperature from -85°F/-64°C to 390°F/200°C
- High dielectric strength of 1100 volts/mil
- Easily removed with Electro-Wash® Two Step, Electro-Wash® NXO, or CircuitWorks® Conformal Coating Remover Pen
- Meets MIL-I-46058C, Type SR
- Compliant to IPC-CC-830A
- Engineered for applications where flexibility and high temperature resistance are required
- Contains UV Tracer for easy quality control
- UL recognized

CTSR-12 10 oz / 283 g aerosol

CTSR1 1 gal / 3.7 L liquid

CTSR5 5 gal / 19 L liquid

Konform® SR High Viscosity

The high-viscosity silicone coating engineered for applications requiring a thicker coating

- Silicone coating working temperature from -85°F/-64°C to 390°F/200°C
- High dielectric strength of 1100 volts/mil
- Easily removed with Electro-Wash® Two Step, Electro-Wash® NXO, or CircuitWorks® Conformal Coating Remover Pen
- Meets MIL-I-46058C, Type SR
- Compliant to IPC-CC-830A
- High viscosity material provides thicker coat
- Contains UV Tracer for easy quality control

CTSR-HV1

1 gal / 3.7 L liquid

Konform® AR

The acrylic coating engineered for effective insulation against high voltage arcing and shorts

- Acrylic coating working temperature from -75°F/-59°C to 270°F/132°C
- High dielectric strength of 8300 volts/mil
- Meets MIL-I-46058C, Type AR
- Compliant to IPC-CC-830A
- Designed to provide effective insulation against electrical shorts and harsh environments
- Provides excellent acid resistance
- Easily repairable
- Contains UV Tracer for easy quality control
- UL recognized

CTAR-12

11.5 oz / 326 g aerosol

CTAR1

1 gal / 3.7 L liquid

Konform® Ultra

Ultra-fast drying acrylic coating for superior insulation against high voltage arcing

- Extremely fast drying; allows quick throughput, minimizes processing time
- Acrylic coating operating temperature from -75°F/-59°C to 270°F/132°C
- High dielectric breakdown of 8300 volts/mil
- Meets MIL-I-46058C, Type AR
- Compliant to IPC-CC-830B Class B
- Designed to provide effective insulation against electrical shorts and harsh environments
- Provides excellent acid resistance
- Easily repairable
- Contains UV Tracer for easy quality control

CTUFD-12

11.5 oz / 326 g aerosol

CTUFD1

1 gal / 3.7 L liquid

CTUFD5

5 gal / 18.5 L liquid



ASK THE EXPERTS!

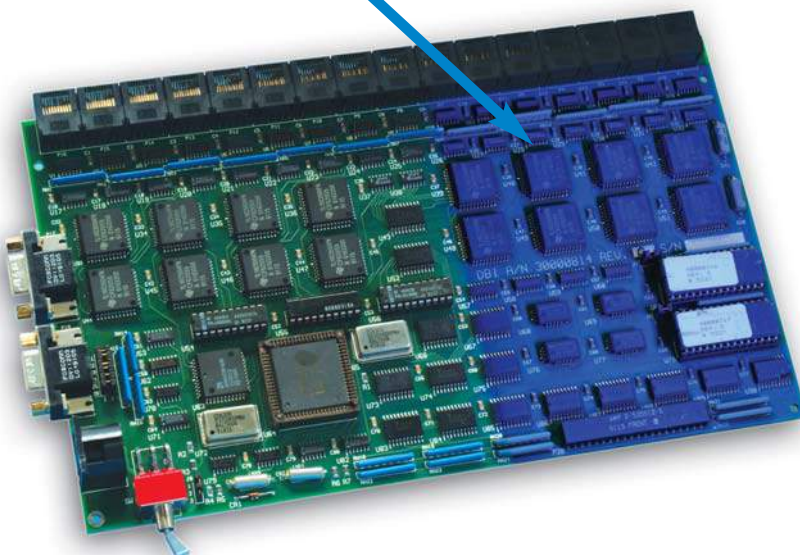
Chemtronics has application specialists standing by to identify the best solution for you. Call 800-645-5244 or e-mail askchemtronics@chemtronics.com.



Removal Method

Solvent removal, Burn through
Solvent removal, Burn through
Solvent removal, Burn through
Solvent removal, Burn through
Peel, Solvent removal, Burn through
Solvent removal, Burn through
Solvent removal, Burn through

All Konform® conformal coatings contain a UV indicator for improved quality assurance.





Konform® Flexcoat

Exceptionally flexible, silicone free coating for superior vibrational protection

- Extremely fast drying and flexible silicone free conformal coating; allows quick throughput, minimizes processing time
- Coating operating temperature from -31°F/-35°C to 212°F/100°C
- High dielectric breakdown of 2550 volts/mil
- Compliant to IPC-CC-830B Class B
- Designed to provide effective insulation against electrical shorts and harsh environments
- Extremely easy to repair
- Contains UV Tracer for easy quality control

CTFC-12	11.5 oz / 326 g aerosol
CTFC1	1 gal / 3.7 L liquid
CTFC5	5 gal / 18.5 L liquid

Konform® UR-A

Water-based urethane conformal coating formulated for superior durability and moisture protection

- Water-based coating minimizes odor and VOC exposure
- Provides outstanding barrier and moisture protection
- Urethane coating offers outstanding abrasion and solvent resistance
- Coating operating temperature from -85°F/-65°C to 257°F/125°C
- High dielectric breakdown of 3340 volts/mil
- Compliant to IPC-CC-830B Class B
- Provides excellent acid resistance
- Contains UV Tracer for easy quality control

CTURA1	1 gal / 3.7 L liquid
CTURA5	5 gal / 18.5 L liquid

Konform® HR

Water-based conformal coating for superior dielectric and abrasion resistance

- Water-based coating minimizes VOC exposure
- Unique acrylic/urethane based coating; provides the flexibility and toughness of urethane, with the superior insulation protection of an acrylic
- Coating operating temperature from -31°F/-35°C to 212°F/100°C
- High dielectric breakdown of 7100 volts/mil
- Compliant to IPC-CC-830B Class B
- Provides excellent acid resistance
- Contains UV Tracer for easy quality control

CTHR1	1 gal / 3.7 L liquid
CTHR5	5 gal / 18.5 L liquid

