

Protection at its best –

Konform[®] *Conformal Coatings*

Ultimate protection from:

- Moisture
- Corrosive acids
- Environmental contaminants
- Fungus
- Mechanical stress
- Dielectric failures



 **Chemtronics**[®]

Konform® Conformal Coatings will protect your printed circuit boards in the harshest conditions, from the worst contaminants, in the most extreme climates.

So, stress less with Konform®!



The newest products to the Konform® lineup include:

Konform® Flexcoat

The exceptionally flexible, silicone free coating engineered for superior vibrational protection

Konform® Ultra

The ultra-fast drying acrylic coating engineered for superior insulation against high voltage arcing

Konform® UR-A

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

Konform® HR

The water-based conformal coating formulated for superior dielectric and abrasion resistance

Protection at its best –

Konform® 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 fragment, chip or crack, thereby providing excellent protection. All are convenient and ready to use.



Konform® SR

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

- Silicone coating operating temperature from -85°F/-65°C to 390°F/200°C
- Dielectric breakdown of 1100 volts/mil
- Meets MIL-I-46058C, Type SR
- Compliant to IPC-CC-830B Class B
- Engineered for applications where flexibility and high temperature resistance are required
- Contains UV Tracer for easy quality control
- UL recognized
- RoHS compliant

CTSR-12	10 oz. / 283 g aerosol
CTSR1	1 gal. / 3.7 L liquid
CTSR5	5 gal. / 18.5 L liquid

Konform® SR High Viscosity

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

- Silicone coating operating temperature from -85°F/-65°C to 390°F/200°C
- High viscosity material provides thicker coat
- Dielectric breakdown of 1100 volts/mil
- Meets MIL-I-46058C, Type SR
- Compliant to IPC-CC-830B Class B
- Contains UV Tracer for easy quality control
- RoHS compliant

CTSR-HV1	1 gal. / 3.7 L liquid
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Konform® AR

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

- 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
- UL recognized
- RoHS compliant

CTAR-12	11.5 oz / 326 g aerosol
CTAR1	1 gal. / 3.7 L liquid
CTAR5	5 gal. / 18.5 L liquid

Product Selection Guide

	Resistance					Underwriters Laboratories					Coating Characteristics					Pro Chara		
	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	Coverage @ 1 mil	Tack Free Time
Konform® SR	1	4	2	2	1	✓	✓	✓	Solvent	4	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	4	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	2	1	3	1		✓	✓	Solvent	1	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® Flexcoat	3	3	2	2	1			✓	Solvent	1	3	4	2550	-31°F to 212° F (-35°C to 100°C)	13.5 sq. ft.	144 sq. ft.	20 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® UR-A	3	1	1	1	1			✓	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	1			✓	Water-based	4	3	3	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® Flexcoat

The exceptionally flexible, silicone free coating engineered 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 2650 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
- RoHS compliant

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

Konform® Ultra

The ultra-fast drying acrylic coating engineered 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
- RoHS compliant

CTUFD-12 11.5 oz / 326 g aerosol
CTUFD1 1 gal. / 3.7 L liquid
CTUFD5 5 gal. / 18.5 L liquid

Konform® UR-A

The 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
- RoHS compliant

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

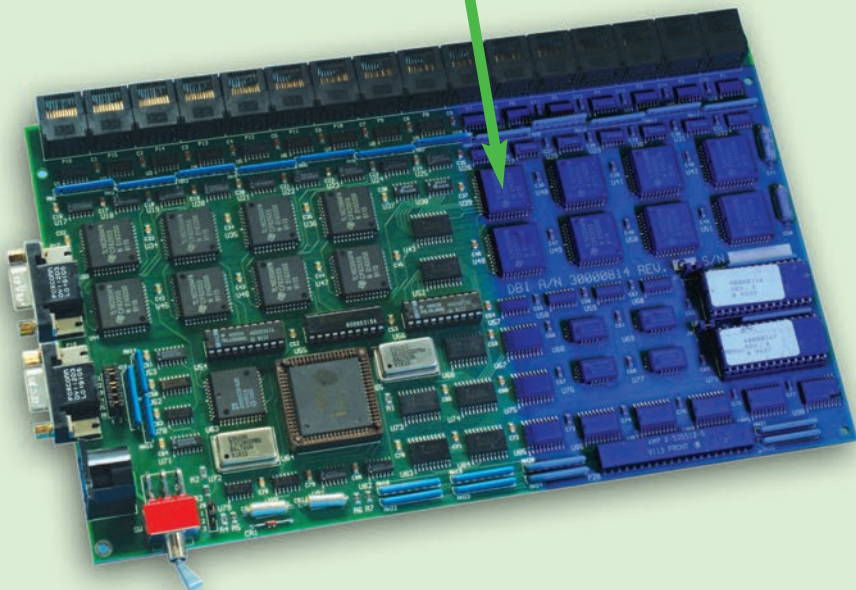
Product Characteristics



Removal Method

Solvent removal, Burn through
Solvent removal, Burn through
Solvent removal, Burn through
Peeling, Solvent removal, Burn through
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® HR

The water-based conformal coating formulated 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
- RoHS compliant

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





Chemtronics® — Offering you the right products for your applications.

Still not sure which product is right for your application? Chemtronics' sales and technical services staff are ready with expert guidance on product selection — ensuring that you have the information necessary to make the right choice.

Call your local Chemtronics sales representative for expert guidance with your application needs.

Need Technical Information?

Call our Technical Hotline at 1-770-424-4888 ext 137 or e-mail us at AskChemtronics@chemtronics.com

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