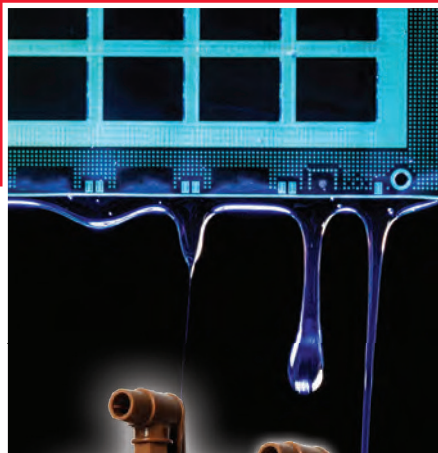


Conformal Coating



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 (except Konform® LED). These tough, transparent coatings will not chip or crack, thereby providing excellent protection. All are convenient and ready to use.



Konform® SR

Silicone coating 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 (standard viscosity only)

CTSR-12 10 oz / 283 g aerosol

CTSR-P 16 fl oz / 473 ml liquid

CTSR1 1 gal / 3.7 L liquid

CTSR5 5 gal / 19 L liquid

High Viscosity

CTSR-HV1 1 gal / 3.7 L liquid

Konform® AR

Acrylic coating 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

CTAR-P 16 fl oz / 473 ml liquid

CTAR1 1 gal / 3.7 L liquid

CTAR5 5 gal / 19 L liquid



Product Selection Guide

| | Resistance | | | | | Underwriters Laboratories | | | | Coating Characteristics | | | Cure Profile | | | |
|----------------------------|------------------------|---------------------|-----------------|--------------------|---------------------|---------------------------|---------------|---------------------|-------------|-------------------------|---------------|----------------------|---------------------|---------------------------------|----------------|-----------------|
| | 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 | Tack Free Time | Full Cure Time | |
| Konform® SR | 1 | 4 | 2 | 2 | 1 | ✓ | ✓ | ✓ | Solvent | 1 | 4 | 3 | 1100 | -85F to 390° (-65°C to 200°) | 15 min. | 24 hrs. @RT |
| Konform® SR High Viscosity | 1 | 4 | 2 | 2 | 1 | ✓ | | ✓ | Solvent | 1 | 4 | 3 | 1100 | -85F to 390° (-65°C to 200°) | 15 min. | 24 hrs. @RT |
| Konform® AR | 2 | 1 | 1 | 3 | 1 | | ✓ | ✓ | Solvent | 4 | 3 | 4 | 8300 | -75F to 270° (-59°C to 132°) | 30 min. | 24 hrs. @RT |
| Konform® LED | 1 | 4 | 2 | 2 | 1 | | | | Solvent | 1 | 4 | 3 | 1100 | -85F to 390° (-65°C to 200°) | 15 min. | 24 hrs. @RT |
| Konform® Ultra | 2 | 2 | 1 | 3 | 1 | | | ✓ | Solvent | 4 | 3 | 3 | 8300 | -75F to 270° (-59°C to 132°) | 10 min. | 24 hrs. @RT |
| Konform® UR-A | 3 | 1 | 1 | 1 | 4 | | | ✓ | Water-based | 3 | 3 | 4 | 3340 | -85F to 257° (-65°C to 125°) | 1 hr. | 24 hrs. @RT |
| Konform® HR | 3 | 1 | 2 | 2 | 4 | | | ✓ | Water-based | 4 | 3 | 4 | 7100 | -31F to 212° (-35°C to 100°) | 1 hr. | 24 hrs. @RTh |

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

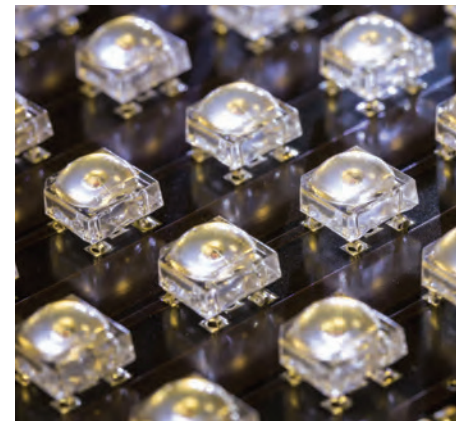
Konform® LED

Silicone conformal coating designed for light emitting diode (LED) applications

- Silicone coating transparent to visible wavelengths, will not block or change light intensity or wavelength
- Extends component life by protecting against adverse environments
- Good insulation properties help with circuit insulation characteristics, excellent flexibility minimizes thermal stress
- Resists moisture, salt, fungus, corrosive vapors, and severe environments
- Engineered to withstand heat generated by PCB as well as climatic temperature extremes
- Compliant with IPC-CC-830A, MIL-I-46058C (without UV) and RoHS

- CTLED-P** 16 fl oz / 473 ml liquid
CTLED1 1 gal / 3.7 L liquid
CTLED5 5 gal / 18.5 L liquid

NEW!



Konform® LED is specially formulated to be optically clear.

Conformal Coating



CTUFD-12

CTUFD1



CTURA1

CTURA5



CTHR1

CTHR5

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

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

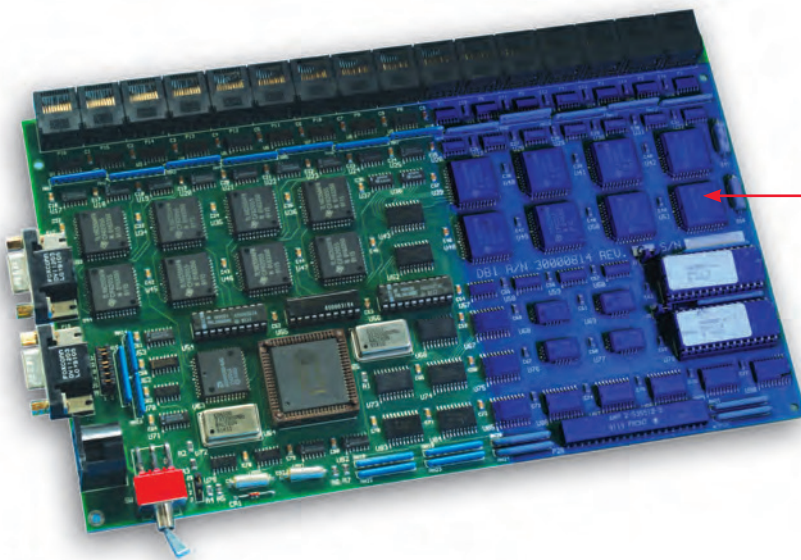
Konform® HR

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



All Konform® conformal coatings contain a UV indicator for improved quality assurance (except CTLED).