Konform® LED is a silicone conformal coating designed for light emitting diode (LED) applications, where a completely transparent coating is required to provide a tough, protective coating. Ideal for LED lights, displays and controls, especially when used in outdoor or other extreme environments.

Konform® LED provides maximum flexibility for extreme temperatures on the flex and rigid circuitry found in LED displays. Cured coatings are hydrolytically stable and retain their physical electrical properties after high temperature and humidity exposure.

Konform® LED will not stress delicate circuit components, and meets the performance parameters (without UV traceability) of MIL-I-46058C, Type SR.

- Silicone coating transparent to visible wavelengths, will not block light intensity or change 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

CTLED-P 1 pint / 473 ml liquid
CTLED-1 1 gal / 3.7 L liquid
CTLED-5 5 gal / 18.5 L liquid

The Difference is Clear.

Chemtronics®
Nothing Performs Like Chemtronics
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, most 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

Konform® LED is specially formulated to be optically clear.

### Konform® Conformal Coatings

Konform® LED

- **Resistance:**
  - **Temperature Resistance:** 1
  - **Humidity Resistance:** 2
  - **Soil Removability:** 2
  - **Flexibility:** 1
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 1100
  - **-5°F to 390°F (-65°C to 200°C):** NA
- **Coverage:**
  - **1 mil:** 1600 sq. ft
  - **Liquid:** 15 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® SR

- **Resistance:**
  - **Temperature Resistance:** 1
  - **Humidity Resistance:** 2
  - **Solvent Resistance:** 1
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 1100
  - **-5°F to 390°F (-65°C to 200°C):** 21.0
- **Coverage:**
  - **1 mil:** 250 sq. ft
  - **Liquid:** 15 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® SR High Viscosity

- **Resistance:**
  - **Temperature Resistance:** 1
  - **Humidity Resistance:** 2
  - **Solvent Resistance:** 1
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 1100
  - **-5°F to 390°F (-65°C to 200°C):** NA
- **Coverage:**
  - **1 mil:** 718 sq. ft
  - **Liquid:** 15 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® AR

- **Resistance:**
  - **Temperature Resistance:** 2
  - **Humidity Resistance:** 2
  - **Soil Removability:** 1
  - **Flexibility:** 3
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 8300
  - **-75°F to 270°F (-59°C to 132°C):** 20.2
  - **-31°F to 212°F (-35°C to 100°C):** 13.5
- **Coverage:**
  - **1 mil:** 254 sq. ft
  - **Liquid:** 10 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® Ultra

- **Resistance:**
  - **Temperature Resistance:** 2
  - **Humidity Resistance:** 1
  - **Soil Removability:** 3
  - **Flexibility:** 3
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 8300
  - **-75°F to 270°F (-59°C to 132°C):** 20.2
  - **-31°F to 212°F (-35°C to 100°C):** 13.5
- **Coverage:**
  - **1 mil:** 254 sq. ft
  - **Liquid:** 10 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® Flexcoat

- **Resistance:**
  - **Temperature Resistance:** 3
  - **Humidity Resistance:** 2
  - **Soil Removability:** 1
  - **Flexibility:** 3
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 2550
  - **-31°F to 212°F (-35°C to 100°C):** 13.5
  - **-5°F to 212°F (-65°C to 200°C):** 13.5
- **Coverage:**
  - **1 mil:** 144 sq. ft
  - **Liquid:** 20 min.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® UR-A

- **Resistance:**
  - **Temperature Resistance:** 3
  - **Humidity Resistance:** 1
  - **Soil Removability:** 4
  - **Flexibility:** 3
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 3340
  - **-5°F to 257°F (-65°C to 125°C):** NA
  - **-5°F to 390°F (-65°C to 200°C):** NA
- **Coverage:**
  - **1 mil:** 577 sq. ft
  - **Liquid:** 1 hr.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Konform® HR

- **Resistance:**
  - **Temperature Resistance:** 4
  - **Humidity Resistance:** 2
  - **Soil Removability:** 4
  - **Flexibility:** 3
  - **Solvent Resistance:** 4
  - **Underwriters Laboratories Recognition:** 3
  - **UV Traceable System:** 7100
  - **-5°F to 212°F (-35°C to 100°C):** NA
  - **-5°F to 390°F (-65°C to 200°C):** NA
- **Coverage:**
  - **1 mil:** 577 sq. ft
  - **Liquid:** 1 hr.
  - **Back Free Time:** 24 hrs.
  - **Full Cure Time:** 24 hrs.

### Contact Chemtronics Today!

Application specialists are ready to identify the best choice for you.

Call 1-800-645-5244 x 154 to schedule your hands-on training with our technical experts!