

NEW!

Konform®

LED

The Difference is Clear.

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

 **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.

Product Selection Guide

KONFORM® Product	Resistance					Underwriters Laboratories				Coating Characteristics			Product Characteristics					
	Temperature Resistance	Abrasion Resistance	Acid Resistance	Solvent Resistance	Humidity Resistance	Water Submersible Per UL	UL Recognized	UL Traceable	System	Flexibility	Solderability	Repairability	Dielectric Breakdown	Working Temperature	Aerosol	Liquid	Coverage @ 1 mil	Tack Free Time
Konform® LED <i>NEW!</i>	1	4	2	2	1				Solvent	1	4	3	1100	-85°F to 390° (-65°C to 200°C)	NA	1600 sq. ft	15 min.	24 hrs. @ RT
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

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!



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