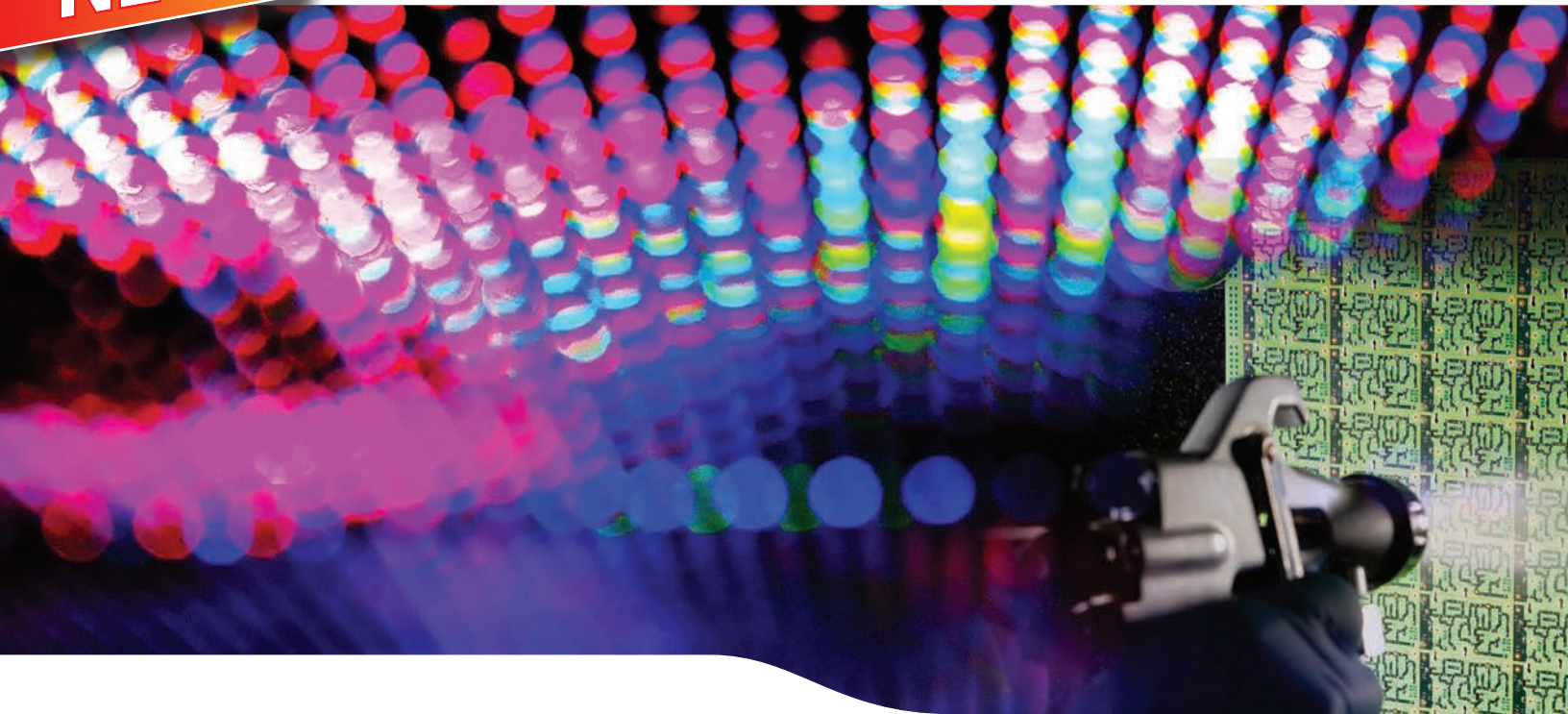




TECHSPRAY®

Optically Clear Conformal Coatings

NEW!



Fine-L-Kote LED Coatings

Formulations engineered for light emitting diode (LED) applications where optical clarity is required.

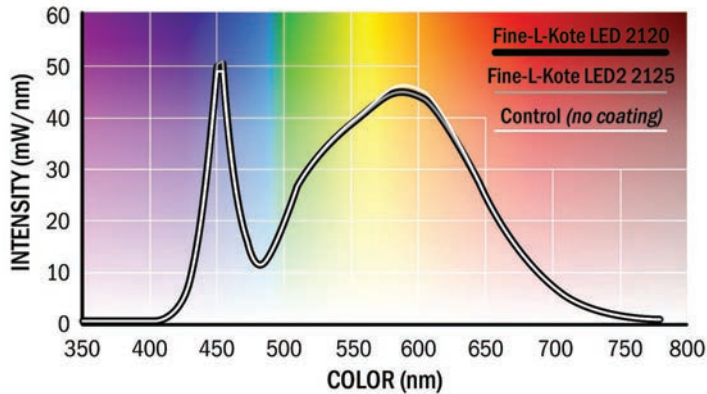
- Spray over LEDs without masking or selective spray
- No reduction in light and color intensity
- No color shift or light scattering



2125-5G

2120-G

www.techspray.com



3rd party testing by Intertek, standards IESNA LM-79-2008 and ANSI NEMA ANSLG C78.377:2015



2125-5G

2120-G

FINE-L-KOTE™ LED Coatings

Silicone conformal coating designed to coat over LEDs

- Silicone - excellent moisture protection
- Fully transparent - will not block light intensity or change wavelength
- Flexibility prevents cracking
- Resists salt, fungus and corrosive vapors from severe environments
- Withstands high heat from PCB and operating environment

Specifications: IPC-CC-830B (w/o UV), MIL-I-46058C (w/o UV), UL94 flammability rating V-0, MIL-STD 810G salt spray test.

Fine-L-Kote LED

- 2120-P** 1 pt. / 473 mL can
- 2120-G** 1 gal / 3.7 L liquid
- 2120-5G** 5 gal / 18.5 L liquid

Fine-L-Kote LED2

- 2125-P** 1 pt. / 473 mL can
- 2125-G** 1 gal / 3.7 L liquid
- 2125-5G** 5 gal / 18.5 L liquid

	FINE-L-KOTE™ LED	FINE-L-KOTE™ LED2
Coverage (1 mil dry film/1 gal liquid)	752 ft ² (69.9 m ²)	723 ft ² (67.2 m ²)
Usable Temp. Range of Cured Coatings	-85°F to 390°F (-65°C to 200°C)	-76° to 392°F (-60° to 200°C)
Tack Free Time	15 min.	30 min.
Curing Conditions: (@ 80% R.H.)		
Ambient Temp.	24 Hours @ 77°F (25°C)	24 hrs @77°F (25°C,)
Accelerated	8 Hours @ 170° (77°C)	8 Hours @ 170°F (77°C)
Specific Gravity (Water=1) @ 68°F	0.93	0.83
Viscosity (cps @ 77°F)	65 ± 5 cps	66-76
Flash Point (TCC)	53°F	26°F
Volume Resistivity (ohm/cm)	1.5 x 10 ¹⁶	>1.4 x 10 ¹²
Dielectric Breakdown (volts/mil)	1100	>720
Thermal Conductivity (Cal-cm/sec-cm ² -°C)	2.9 x 10 ⁻⁴	not available
Coefficient of Thermal Expansion (in/in/°C)	2.1 x 10 ⁻⁴	not available
VOC* Content:		
CARB	56.3%	11.7%
SCAQMD	570 g/L	108 g/L
Federal	56.3%	11.7%
RoHS Compliant	Yes	Yes

