

Conformal Coatings

Product Name	Description	Key Attributes	Viscosity at 25°C (cP)	Operating Temperature (°C)	Volume Resistivity ($\Omega \cdot \text{cm}$)	Color	Recommended Cure
UV + Moisture Cure							
LOCTITE SI 5290	Silicone conformal coating	<ul style="list-style-type: none"> One component Designed for severe temperature environments and high-reliability automotive applications Solvent-free 	100 – 350	-53 – 200	2×10^{14}	Transparent amber to yellow	20 – 40 sec. at 70 mW/cm ² + 72 hr. at 50% relative humidity
LOCTITE SI 5293	Silicone conformal coating	<ul style="list-style-type: none"> One component Exhibits positive fluorescence under UV light Repairable Solvent-free Designed for severe temperature environments and high-reliability automotive applications 	400 – 800	-40 – 200	1×10^{14}	Transparent amber to yellow	20 – 40 sec. per side at 70 mW/cm ² + 72 hr. at 50% relative humidity
LOCTITE STYCAST PC 40-UMF	Urethane acrylate conformal coating	<ul style="list-style-type: none"> One component VOC-free Conforms to IPC-CC-830 requirements 	250	-40 – 135	3.5×10^{16}	Clear	10 sec. at 300 – 600 mW/cm ² + 2 – 3 days at atmospheric moisture
LOCTITE STYCAST UV 7993	Urethane conformal coating	<ul style="list-style-type: none"> One component Solvent-free Good moisture resistance Excellent chemical resistance 	120	-40 – 130	2.2×10^{16}	Translucent yellow	5 sec. at 400 – 700 mW/cm ² + 100 hr. at 50% relative humidity