

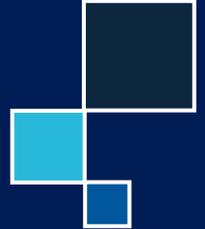
Coatings for ENCLOSURES

DURABILITY AND PERFORMANCE



WEG: Leaders in Automation and Enclosure Solutions

At WEG, our expertise in electrical panels, datacenters and automation systems drives our leadership in protective coatings. Engineered for durability, our finishes withstand heat, humidity, vibration and voltage, ensuring long-term reliability, performance and quality.



Property

Method

Politherm

Adhesion Strength	ASTM D3394	GR0 – prevents peeling
Scratch Resistance	ASTM D3363	≥ HB – minimizes surface damage
Impact Resistance	ASTM D2794	50 kg.cm – resists heavy impacts
Flexibility	ASTM D790	Pass 3 mm – bends without cracking

Formulated for Endurance and Compatibility

Built to resist vibration, stacking and handling damage in harsh environments.

Complies with **Qualicoat Class 1 & 2** and meets **AAMA 2603/2604** standards for mechanical and weathering performance.



Versatile finishes tailored to your industry standards



Designed for insulation performance and operational safety



Built for durability in the most demanding environments

Tough Films Trusted Adhesion

Ensures long-term gasket compression and EMI shielding without seal degradation. Ideal for enclosures and electronic housings where adhesion and compatibility are critical.



Property

Politherm UL

Dielectric Strength

Up to **117 kV/mm**



Breakdown Voltage

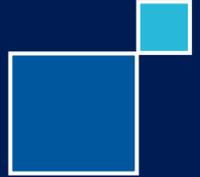
Up to **7.8 kV**

Film Thickness

2.3 – 3.2 mils

Engineered for Electrical Insulation

Certified under **UL 1332**, our coatings provide dielectric strength ranging from **45** up to **117 kV/mm**, providing scalable insulation performance from standard industrial panels to high-performance enclosures for critical environments.



Protective Power Efficient Heat Control

Reflects solar energy to reduce heat buildup inside outdoor enclosures, enhancing thermal efficiency and demonstrating our expertise in measuring color-driven performance. Results validated according to **ASTM E903**.

Finish tone

Solar Reflectance

Solar Absorbance

High-Reflective White

> 80%

< 20%

Light Industrial Gray

≈ 50%

≈ 50%

Medium Industrial Gray

≈ 45%

≈ 55%

Dark Architectural Gray

≈ 35%

≈ 65%

Deep Black

< 5%

> 95%



Explore Our Expanded Portfolio

Powder Coatings	Resin Technology	Weather Resistance	Highlights	Complies with
Politherm 22	Epoxi/Polyester	ISO 12944 : C1–C2	Low Bake	UL 1332, RoHS
Politherm 46	Polyester Wheaterproof	Up to 5 years	TGIC Free, Smooth Finish	AAMA 2603, RoHS
Politherm 86 – 96 – 106	Polyester Superdurable	10 years +	High UV Resistance, Architectural Grade	Qualicoat 1 & 2, AAMA 2604, RoHS



Beyond powder coatings, we offer a comprehensive range of high-performance **liquid coating** solutions tailored to industrial and electrical enclosures. Our systems include high solids, low VOC and tar-free technologies, built on epoxy primers, polyurethane topcoats and other advanced resin systems.

Discover more at



The values are subject to change without prior notice.

Driving efficiency and sustainability

