



LIGHTING FIXTURE COATINGS



COATINGS THAT SHINE BRIGHT.

Coatings play a key role in the performance and longevity of light fixtures, both indoors and outdoors. Providing essential protection against UV exposure, corrosion, environmental conditions, wear, and chemicals, the right coating helps fixtures maintain their appearance and structural integrity over time.

WHY PROTECH?

The Protech Group offers a wide range of thermoset coatings for light fixtures, available in multiple finishes and gloss levels. In a highly competitive market, our solutions stand out through exceptional reflectivity, deep industry expertise, and extensive customization capabilities.

- [Exceptional reflectivity](#) of up to 95%, maximizing light output and efficiency.
- [High transfer efficiency](#), ensuring complete coverage of complex geometries and hard-to-reach areas.
- [Extensive formulation range](#), with many products in stock or quickly customizable for fast delivery.
- [Decades of industry expertise](#), supported by long-standing partnerships with leading lighting manufacturers and a highly knowledgeable sales network across North America and Europe.
- [Fully customizable solutions](#), tailored to client requirements in formulation, curing conditions, gloss levels, reflectivity, and chemical resistance.



BUILT FOR HEAT

Lighting fixtures are exposed to elevated temperatures and repeated heating and cooling throughout their service life. Even modern LED fixtures, which are far more energy efficient than traditional incandescent and fluorescent fixtures, still generate significant heat. In high-output luminaires such as street lights, high-bay fixtures, and architectural lighting, surface temperatures can regularly reach 60–90°C. Over years of daily heating and cooling cycles, a coating is repeatedly subjected to thermal stress.

The Protech Group's lighting fixture coatings are engineered for thermal stability. As such, they offer:

- [Excellent color stability](#), minimizing yellowing and discoloration over time.
- [Long-term gloss retention](#), preserving the fixture's original appearance.
- [Resistance to thermal cycling](#), allowing the coating to expand and contract with the substrate without cracking or losing adhesion.
- [Stable mechanical properties](#), helping maintain durability despite repeated heating and cooling.
- [Reliable long-term protection](#) against corrosion and weathering, even after years of thermal exposure.

A2LA ACCREDITED TESTING LABORATORY

The Protech Group operates an A2LA-accredited ISO/IEC 17025 laboratory capable of performing comprehensive coating performance testing in-house. Because our laboratory is independently accredited and regularly audited by third-party assessors, test results are recognized throughout the industry.

This provides significant advantages for our customers:

- Faster qualification and approval cycles
- Reduced testing costs
- Shorter product development timelines
- Reliable, industry-recognized test data

PRODUCTS FOR THE LIGHTING FIXTURE INDUSTRY

P-SERIES (TGIC POLYESTER)

AAMA 2603 Compliant Powder Coating.

Protech's P-Series thermoset powder coatings meet AAMA 2603 standards, and offer an excellent balance of flexibility, impact resistance, chemical resistance, and overall durability. Designed to deliver consistent performance, these coatings combine quality and affordability, making them a reliable solution for interior lighting fixture applications.

- Resistant finish that fights corrosion, chemicals, and moisture.
- Available in numerous colors, glosses, and textures.
- Cost-effective and reliable performance at a great value.
- Flexible cure options ranging from fast to low-temp curing.

Z-SERIES™

Super-Durable Powder Coating.

Z-SERIES™ is a proprietary thermoset powder coating solution formulated to endure the test of time and the elements. Meeting AAMA 2604 standards, it is well-suited to withstand harsh levels of UV radiation, inconsistent degrees of humidity, temperature variations and other severe weather conditions.

- 25-year limited warranty available.
- Can be formulated to meet and surpass most building standards, including AAMA 2604 specifications and LEED credits.
- QUALICOAT Class 2 - Category 3 certified.
- Excellent color and gloss retention.



PRODUCT COMPARISON CHART

	P-Series	Z-Series
Interior	✓✓	✓
Exterior	✓	✓✓
UV Resistance	Good	Excellent
Corrosion Resistance	Excellent	Excellent
Warranty	---	25 years limited warranty
AAMA	2603	2604
Typical Applications	Indoor lighting fixtures	Outdoor lighting fixtures



FORMULATING THE RIGHT MIX.

Since 1976, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



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