

E-BOND™

THERMOSET POWDER COATINGS



Protech's E-BOND™ metallic powder coatings are engineered using proprietary processes that ensure consistent finishes across a spectrum of metallic shades and effects, including textures, veins, and hammertone. Fully reclaimable, safe, and environmentally responsible, E-BOND™ is backed by Protech's unmatched technical expertise and service, reinforcing our leadership in the powder coating industry.



PROTECH
— GROUP —

OVERVIEW

Metallic Thermoset Powder Coatings.

Metallic thermoset powder coatings bring together striking visual appeal and long-lasting protection. Designed for both beauty and performance, they deliver brilliant, reflective finishes with superior resistance to weathering,

corrosion, and abrasion. Perfect for automotive, architectural, appliance, and consumer goods applications, these coatings provide a premium metallic look, without sacrificing durability.

MAIN FEATURES

- **Brilliant Metallic Effects** – From subtle sparkle to bright chrome finishes.
- **Batch-to-Batch Consistency** – Uniform appearance every time.
- **Smooth Application** – Minimizes gun-blocking and picture framing.
- **High Reclaim Efficiency** – Better reuse of overspray.
- **Improved Safety** – Designed for safer handling during application.
- **Versatile Aesthetics** – Broad range of looks and finishes.
- **Equipment-Friendly** – Works with various application systems.
- **Proprietary Protech Process** – Engineered for performance and reliability.

TYPICAL APPLICATIONS

- **Architectural Components** – Facades, window frames, curtain walls
- **Consumer Goods** – Electronics housings, kitchen appliances, lighting fixtures
- **Automotive Parts** – Rims, trim, engine covers, motorcycle frames
- **Furniture & Fixtures** – Indoor/outdoor metal furniture, shelving, display units
- **Retail & Signage** – Storefront displays, metal signs, point-of-sale systems
- **Industrial Equipment** – Tool casings, machine panels, enclosures
- **Sports & Recreation** – Bicycles, gym equipment, recreational gear



OUR SOLUTIONS

We offer advanced, metallic thermoset coatings for a diverse range of applications. If your specific need isn't listed, feel free to contact us—we're here to help.

TECHNICAL PROPERTIES

Essential technical details are outlined below. Full Technical Data Sheet (TDS) available upon request.

PRE-TREATMENT	For steel and Aluminum—Phosphating, Zirconium or other suitable surface treatment
APPLICATION CONDITIONS	Electrostatic powder spray 40 to 100 kv
FILM THICKNESS	For normal usage 2.0 to 5.0 mils (color and finish type related)
HARDNESS	HB to 4H (formulation related)
SPECIFIC GRAVITY	1.2 to 1.75 (color related)
COVERAGE	160 to 110 ft ² / lbs. / mil at 100% efficiency (color related)
BAKING SCHEDULE	METAL TEMPERATURE (formulation related) 8-10 minutes at 280°F (138°C) Super low temperature cure 8-10 minutes at 320°F (160°C) Low temperature cure 2-6 minutes at 400 (205°C) Fast cure 7 minutes at 400°F (205°C) Regular cure 8+ minutes at 400F (205°C) Slow cure



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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