

Vehicles & Transportation



Automotive coatings play a critical role in protecting vehicles while enhancing their appearance and durability. Designed to resist UV exposure, moisture, chemicals, and abrasion, these coatings help maintain performance and aesthetics in all driving conditions. Protech offers high-performance powder, liquid, and polymer-based coatings that meet rigorous automotive standards, delivering corrosion resistance, long-lasting protection, and visually refined finishes. Developed in collaboration with vehicle manufacturers, Protech's solutions support modern automotive design, extend component life, and contribute to more sustainable transportation systems.



THERMOSET POWDER COATINGS

CLONECOAT™

Advances in powder coating technology have made in-mold powder coatings a fast, efficient way to finish FRP parts directly inside the mold in a single step. Applied to the mold surface and cured at low temperatures, the coating co-reacts with the substrate to deliver strong adhesion, durable, high-quality finishes (from matte to high-gloss and textured), while reducing labor, rework, and overall finishing costs.

- High hardness ($\geq 4H$) providing scratch, chip, and impact resistant.
- Resists chemicals, stains, scratches, and graffiti.
- Outdoor durability with excellent UV, water, and weather resistance.
- Uniform coverage with even coating on complex geometries and recessed areas.
- Chemically bonded for a durable and attractive surface.
- No post-painting Needed.
- Fills gaps, seals surfaces, and enhances composite strength.
- Eco-friendly and solvent-free with zero VOC emissions.

THERMOSET POWDER COATINGS

HELIICOAT®

HELIICOAT® is designed to withstand extreme temperatures, forming chemical bonds during curing which make it resistant to heat-induced degradation. These coatings are suitable for indoor and outdoor use and maintain their integrity even under prolonged exposure to consistent heat.

- High heat resistance, withstanding up to 1300°F (700°C) depending on formulation.
- Outdoor-ready, with durable options for exterior use.
- Non-contaminating and safe for use near sensitive surfaces and items.
- Thermal insulation. helping to maintain consistent temperatures.
- Slows fire spread with flame-resistant properties.
- Resists yellowing, fading, and cracking over time.
- Corrosion resistant, with strong barrier against rust and moisture.

THERMOSET POWDER COATINGS

Z-SERIES™

Z-Series™ represents Protech's line of super-durable powder coatings, engineered to meet AAMA 2604 and Qualicoat Class 2 and 3 standards. Designed for long-lasting exterior and architectural performance, these coatings offer exceptional weather resistance and are available in a wide range of colors, gloss levels, and textures. Environmentally responsible and VOC-free, Z-Series™ coatings provide superior durability and flexibility, delivering significantly enhanced outdoor performance compared to standard TGIC-free polyesters.

- AAMA 2604 compliant , meeting the five-year outdoor Florida exposure standards.
- QUALICOAT certified – Class 2 & 3 ratings for durability and color stability.
- Chip-resistant with strong mechanical integrity.
- Designed for aluminum, steel and alternate substrates.
- Available in a range of colors, gloss, and textures.
- Excellent adhesion and moisture protection.
- Resists abrasion, wear, and impact.
- Eco-friendly with a low-VOC, solvent-free formulation.



THERMOSET POWDER COATINGS

VELVACOAT™

VELVACOAT powder coatings offer a luxurious, soft-touch finish that enhances the tactile experience of surfaces. Ideal for premium products, it provides exceptional durability, corrosion resistance, and long-lasting protection. Made with a polyester-based formulation, VELVACOAT ensures outstanding performance and visual appeal. Its innovative technology creates a velvet-like feel and can be applied over any base color, allowing for creative expression with a wide range of vibrant and subtle shades.

- Luxurious velvet feel that elevates product value with a soft, high-end touch.
- Excellent durability, resisting scratches, corrosion, and UV damage.
- Easy to clean, repelling dirt, smudges, and fingerprints for lasting freshness.
- Adapts to various materials and indoor/outdoor styles.
- Broad color range that includes matte and metallic finishes.
- Over-bake resistant, maintaining look and performance at high cure temps.
- Efficient and streamlined one-coat application.

THERMOSET POWDER COATINGS

E-BOND™

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.

- Brilliant metallic effects, from subtle sparkle to bright chrome finishes.
- Batch-to-batch consistency, providing a uniform appearance every time.
- Smooth application that minimizes gun-blocking and picture framing.
- High reclaim efficiency.
- Broad range of looks and finishes.
- Equipment-friendly, working with various application systems.
- Proprietary Protech process that is engineered for performance and reliability.

THERMOSET POWDER COATINGS

AG-KOTE™

AG-KOTE™ is a polyester-based coating formulated to be cured at temperatures as low as 160°C. It promotes energy savings and higher productivity without sacrificing the quality and properties of the coating.

- Low temperature curing promotes energy savings and higher productivity when painting large objects.
- Possibility to coat thin and thick materials at the same time without color and effect differences.
- Excellent UV, chemical, and corrosion resistance.
- Can be formulated with most Protech Group coatings.

THERMOSET POWDER COATINGS

CURVECOAT™

CURVECOAT™ is the Protech Group's innovative powder coating solution designed specifically for metal parts that require bending or reshaping after application. Engineered to flex without cracking or splitting, CURVECOAT™ enables the efficient coating of larger, unformed components, thereby reducing handling, packaging, and transportation costs.

- Post-forming flexibility, remaining intact after bending or reshaping; resists cracking even at 90° bends.
- Bonds tightly to metal, even after forming.
- Resists wear, impact, and weather.
- Retains look and performance after bending.
- Available in many colors, textures, and gloss levels.

THERMOSET POWDER COATINGS

STERILCOAT®

Antimicrobial thermoset powder coatings are specially formulated to inhibit the growth of bacteria, mold, and mildew on coated surfaces. Ideal for high-touch environments such as healthcare facilities, public spaces, appliances, and more, these coatings provide long-lasting protection, enhanced hygiene, and peace of mind, without compromising durability or appearance.

- Reduces microbial activity on high-touch surfaces.
- Helps stop bacteria and mold from spreading.
- Maintains antimicrobial effects over time.
- Remains effective after repeated cleaning.
- Chemical & Stain Resistant.
- Available in many finishes and shades.
- Eco-Friendly with low VOCs.
- Uses EPA-approved silver ions for protection.

THERMOSET POWDER COATINGS

X-GRAF®

The X-GRAF® polyurethane-based coating has been designed to withstand numerous clean-ups, and its appearance will be virtually unaltered, even after using a chemical cleaner. The increased toughness of X-GRAF® also offers a high level of scratch and abrasion resistance, making it an ideal coating for any article subject to graffiti damage.

- Easy-to-clean properties to protect surfaces from the permanent effects of spray paint and markers.
- Good weatherability for outdoor use.
- Scratch and chemical resistance.
- Smooth, relatively non-porous and homogeneous finish.
- Can be formulated with most Protech Group coatings.

THERMOSET POWDER COATINGS - EUROPE

EF-SERIES™

EF-SERIES™ is a premium line of epoxy powder coatings designed for outstanding resistance to corrosion and chemicals. Ideal for diverse environments—from architectural and industrial to offshore—these coatings deliver lasting durability. Select products in the range meet stringent standards such as BELGAQUA and FDA, with some also certified by QUALISTEELCOAT.

- Superior corrosion resistance that provides protection in harsh and humid environments.
- Resistance to acids, alkalis, and solvents.
- Strong adhesion that bonds well to pretreated metal surfaces.
- High film build that allows thick, protective coating in one pass.
- Suitable for electrical applications.
- Durable surface that resists impact, abrasion, and wear.
- Certification options include BELGAQUA, FDA, and Qualisteelcoat.

THERMOSET POWDER COATINGS - EUROPE

DRIVEKOTE

The Protech Group offers an extensive selection of both functional and visually appealing powder coatings specifically tailored for the automotive and sports and recreation industry. Recognized for their outstanding quality and enduring durability, DRIVEKOTE delivers solutions tailored to every automotive application that adhere to industry standards.

- High level of hardness ($\geq 4H$) making it scratch, chip, and impact resistant.
- Superior resistance to chemicals, stains, scratches, and graffiti.
- Outdoor durability with excellent UV, water, and weather resistance.
- Even coating on complex geometries and recessed areas.
- Chemically bonded for a durable and attractive surface.
- No Post-Painting Needed - Integrated process reduces time and cost.
- Eco-Friendly - Solvent-free with zero VOC emissions.

ESD-KOTE

Electrostatic discharge (ESD) thermoset powder coatings are specialized coatings designed to safely dissipate static electricity from surfaces, thereby protecting sensitive electronic components and reducing the risk of sparks in flammable or explosive environments. These coatings maintain a controlled surface resistivity, typically in the range of 10^5 – 10^{12} ohms/sq, to ensure effective static dissipation without interfering with electronic functionality.

HD-KOTE

HD-KOTE is a polyester-based one-coat powder system engineered for superior corrosion and UV resistance. Its compatibility with standard pretreatment enhances production efficiency and lowers costs. HD-KOTE can be formulated with improved hardness (.IH) to add toughness and reduce the impact of wear, friction, scratches, etc. Coated products will require less packaging and will better resist damage during assembly, transport, or usage.

DURAPOL™

DURAPOL™ is a high-performance thermoplastic copolymer coating engineered as a durable alternative to nylon. Formulated with specialized copolymers for increased durometer, it delivers strong adhesion in a single coat. To optimize hardness and mechanical properties, the coating requires an annealing process after post-heat cooling, a step made essential by its unique chemistry. DURAPOL™ provides a premium, cost-effective alternative to nylon-based coatings, enhancing product lifespan and durability.

- Static dissipation that prevents static buildup.
- ESD-safe resistivity – meets 10^5 – 10^9 ohms range.
- Resists wear and impact.
- Chemical resistance.
- Long-lasting performance that maintains ESD properties over time.
- Eco-friendly and solvent-free.

- Offered in various finishes, including matte, high gloss, textured, and ultra-smooth, to meet aesthetic and functional requirements.
- Can be formulated in any RAL color, including metallics, offering broad design flexibility.
- Performance grades – Industrial-grade, architectural-grade, normal durable, and super durable coatings to meet different application requirements.

- Practical, high-performance protection for industrial use.
- Excellent corrosion and chemical resistance providing a strong barrier against rust, moisture, and chemicals.
- High adhesion that bonds well to prepared surfaces, often without primer.
- Excellent heat resistance.
- High durometer with a hard, durable surface with dimensional stability.
- Withstands autoclaving and maintains performance under steam sterilization.



THERMOPLASTIC COATINGS

POLYARMOR®

Protech's functional polyethylene thermoplastic powder coatings provide rigid, flexible, and long-lasting protection for a wide range of metal surfaces. Designed to resist corrosion, moisture, and impact, these coatings are ideal for infrastructure, industrial equipment, and water-related applications. With excellent barrier properties and easy application, they offer reliable performance in demanding environments.

- Protects metal surfaces from rust, acids, and harsh chemicals.
- Excellent UV resistance, maintaining color and performance even in direct sunlight and outdoor conditions.
- Excellent electrical insulation and dielectric strength.
- Can be easily touched up or recoated to extend service life.
- Available in a wide range of colors, metallics, and textures.

THERMOPLASTIC COATINGS

DURAVIN™

DURAVIN™ is a multi-purpose, fluidized bed grade PVC thermoplastic powder coating formulated to meet the performance requirements of indoor, outdoor, and appliance applications while delivering the maximum economic benefits. To minimize environmental impact, DURAVIN powders are available in low-smoke technology for processing purposes, and can be formulated to enhanced flexibility and hardness. It can either be used as an encapsulation coating or adheres to an initial liquid primer coat.

- Excellent corrosion resistance that forms a durable barrier against moisture, chemicals, and environmental exposure.
- Resists acids, salts, alkalis, and many industrial solvents.
- High Flexibility, withstanding bending and impact without cracking.
- Two-coat system typically applied in a primer-plus-topcoat structure for enhanced durability and adhesion.
- Available in multiple colors and finishes.

SPECIALTY MATERIALS

POLYESSENCE®

POLYESSENCE® is a fragrance masterbatch that embeds long-lasting scent directly into plastics like PE, PP, EVA, and PVC. Designed for use in toys, packaging, household items, automotive interiors, and personal care goods, it enhances product appeal with consistent scent release, without the mess or volatility of liquid fragrances.

- Long-lasting fragrance that delivers consistent, controlled scent release over time
- Long-lasting effect – locks odors in the polymer matrix for lasting control
- Dry & dust-free pellets, rendering it cleaner and simpler than liquid fragrance systems
- Preserves delicate fragrance oils during molding
- Compatible with multiple resins including PE, PP, EVA, and PVC.
- Available in tailored colors, fragrances, and concentrations
- Ensures even scent dispersion throughout the finished product



SPECIALTY MATERIALS

LATEX - NATLEX™ / SYNLEX™

Available in casting, molding and dipping, latex coatings are a versatile and reliable solution across many applications. They provide excellent flexibility and elasticity, allowing the coating to stretch without cracking, good adhesion to a variety of substrates and form a smooth, uniform finish that enhances both appearance and performance. Their resistance to moisture, combined with cushioning and protective properties, helps shield components from abrasion, impact, and surface damage.

- Excellent flexibility and elasticity, stretching without cracking, even on parts that bend or move
- Good adhesion to a wide range of substrates
- Smooth, uniform finish for improved appearance and performance
- Protective cushioning that helps resist abrasion, impact, and surface damage
- Moisture resistance, helping protect parts in humid or wet environments
- Water-based formulations available, offering safer handling and lower environmental impact

SPECIALTY MATERIALS

PLASTISOL

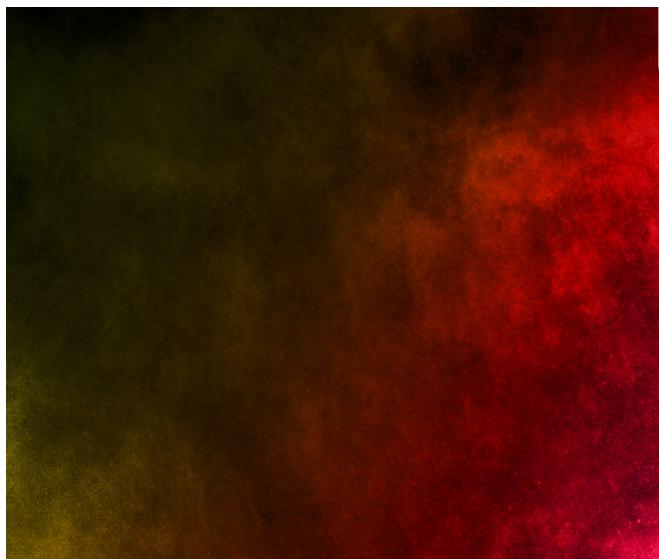
PLASTISOL is a liquid dispersion of PVC resin in plasticizer. It is formulated based on processing parameters, end-use applications, and desired product specifications. By utilizing an extensive group of raw material additives, PLASTISOL is an incredibly versatile polymer choice.

- Can be custom-formulated for a wide variety of market applications and processing methods.
- Optimized for applications including dip coating, dip molding, rotational molding, slush molding, hot melts, inks, textile coatings, and adhesives.
- Performs as a protective, functional, and decorative coating for a variety of end products with many available resistance properties.
- Formulated without solvents and low in Volatile Organic Compounds (VOCs).

INDUSTRIAL LIQUIDS

Liquid coatings enhance aesthetics and protect substrates from harsh conditions and wear. The Protech Group offers a comprehensive range of industrial liquid coatings, formulated at five production sites in the US and Canada, designed for corrosion resistance while preserving color and gloss. Our coatings, utilizing both solvent-based and water-based technologies, can be tailored to meet specific performance and color requirements, with diverse options for price, VOC levels, and drying times.

- Excellent surface coverage, coating complex shapes and edges evenly.
- Smooth, uniform finish with a high-quality look with color and gloss variety.
- Suitable for metal, plastic, wood, and more.
- Easy application with spray, brush, or roll; air-dry or oven-cure options available.
- Durable protection in harsh environments.
- UV & weather resistance.
- Fast dry & cure, offering a quick turnaround for increased productivity.
- Tailored to performance and compliance needs.
- Cost-effective for small batches, ideal for low-volume or custom jobs.



	AUTOMOTIVE	COMMERCIAL VEHICLES & FLEETS	RAILS & TRAINS	VEHICLE ASSEMBLY COMPONENTS
CLONECOAT™	✓	✓	✓	
HELIOCOAT®	✓		✓	
Z-SERIES™	✓	✓	✓	
VELVACOAT™	✓			
Ē-BOND™	✓	✓	✓	
AG-KOTE™	✓			
CURVECOAT™	✓			
STERILCOAT®	✓			
X-GRAF®	✓	✓	✓	
EF-SERIES™	✓	✓	✓	✓
DRIVEKOTE	✓	✓	✓	✓
HD-KOTE	✓	✓	✓	✓
ESD-KOTE™	✓	✓	✓	✓
DURAPOL™				✓
DURAVIN™				✓
POLYARMOR®	✓	✓	✓	
POLYESSENCE®				✓
PLASTISOL*	✓	✓	✓	✓
LATEX**	✓		✓	✓
INDUSTRIAL LIQUIDS***	✓	✓	✓	✓

* The Protech Group offers six varieties of plastisol coatings. Please contact us to learn which variety best suits your vehicle and transportation coating needs.

** The Protech Group offers four varieties of latex coatings. Please contact us to learn which variety best suits your vehicle and transportation coating needs.

*** The Protech Group offers eleven varieties of industrial liquid coatings. Please contact us to learn which variety best suits your vehicle and transportation coating needs.

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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