

THERMOPLASTIC COATINGS

Thermoplastic powder coatings form a seamless, durable protective layer. Made from pre-reacted, high-molecular-weight polymers, they can be reheated and fused to the substrate, creating a continuous, highly resistant film. The Protech Group offers a wide range of thermoplastic coatings engineered for diverse performance needs, making them ideal for applications such as playgrounds, outdoor furniture, bike racks, sports equipment, fencing, and oil & gas pipelines. These coatings are grouped into two main families: the Poly Series and the Dura Series.



POLY SERIES

POLYARMOR®

Functional Polyethylene Thermoplastic Powder Coatings.

POLYARMOR® is a specialized, multipurpose line of thermoplastic powder coatings made from functionalized polyethylene copolymer. With excellent barrier properties and easy application, they offer reliable performance in demanding environments.



- **Urban Infrastructure & Public Spaces** – Decorative light posts, ornamental bollards, park benches, trash receptacles, street signage supports
- **Recreation & Sports Equipment** – Playground equipment (swings, climbing frames, handrails), bicycle racks, football and hockey masks, outdoor gym structures
- **Architectural & Decorative Metalwork** – Fencing and gates, steel posts and railings, architectural panels, decorative brackets
- **Transportation & Utility Fixtures** – Utility enclosures, bollards in parking lots, barrier posts and safety guards

WATERARMOR™

Functional Polyethylene Thermoplastic Coatings for Potable Water.

Protech's WATERARMOR™ functional thermoplastic powders are the ideal solution for coating potable-water pipes. These products are NSF 61 certified and free from Bisphenol A (BPA), emitting no harmful volatile organic compounds (VOCs).



- **Pipes and Fittings** – Interior & exterior steel pipes & fittings, exterior of ductile water pipes, interiors & exteriors of ductile fittings
- **Water Storage Tanks** – Interior tank linings, underground reservoirs, portable storage units
- **Valves and Hydrants** – Valve bodies, hydrant housings, water control units
- **Pump Components** – Pump casings, impellers, inlet/outlet components
- **Reservoir Covers and Panels** – Tank covers, structural panels, access hatches

ENCASE™

Polyethylene Thermoplastic Coatings for Wire Goods.

ENCASE™ is a low-density polyethylene thermoplastic powder coating explicitly designed for the finishing of wire goods and other corrosion-prone products. ENCASE offers excellent flexibility, combined with impact resistance and powerful chemical resistance.



- **Fridge/Freezer Wire Shelving** – Interior wire shelves, sliding baskets, bottle racks
- **Household Wire Goods** – Dish drainers, closet organizers, laundry baskets
- **Storage and Utility Shelving** – Garage and warehouse shelving, kitchen wire shelves, tool storage racks
- **Retail Display Fixtures** – Product display racks, point-of-sale stands, hanging wire grids
- **Office and Home Accessories** – Paper trays, file organizers, wire mesh bins

GLAS-LOK®

Glass Protection Thermoplastic Coatings.

GLAS-LOK® is a functionalized polyethylene copolymer thermoplastic powder coating explicitly designed for glassware, lighting, and ceramic products. GLAS-LOK powders surround the substrate in a durable protective plastic coating, reducing the risk of glass, lighting, or ceramics shattering upon impact.



- **Safety and Security Glass** – Protective shields, security barriers, transaction windows
- **Lab Glassware** – Beakers, flasks, test tubes, petri dishes, chemical bottles
- **Light Bulbs** – Bulb housings, lamp globes, industrial light covers, chandeliers

DURA SERIES

DURALLOY™

Functional PVC Thermoplastic Coatings.

DURALLOY™ is a functional, self-adhering PVC thermoplastic protective powder coating for fences and fencing components that does not require a primer for adhesion properties. DURALLOY is formulated to achieve the desired balance of flexibility and hardness, and adheres as a single coat with no primer needed.



- **Fencing** – Fences and fence components

DURALON™

Nylon Thermoplastic Powder Coatings.

DURALON™ is a nylon 11-based thermoplastic powder coating, produced from a renewable source. DURALON is utilized in numerous applications due to its exceptional properties, which include excellent chemical and thermal resistance, as well as outstanding outdoor durability.



- **Wire Goods and Racks** – Dishwasher racks, freezer baskets, and storage grids
- **Food Processing Equipment** – Trays, hoppers, and conveyors; food-safe wire shelves, cooling racks; drying grids
- **Medical and Laboratory Devices** – Trays, instrument holders, equipment brackets
- **Automotive Components** – Under-hood parts
- **Tools and Hardware** – Hand tools, fasteners, clamps, and handles for abrasion resistance
- **Industrial Machinery** – Gears, rollers, and parts exposed to friction and wear

DURAVIN™

PVC Thermoplastic Coatings.

DURAVIN™ is a high-quality, multipurpose PVC thermoplastic powder coating specifically designed for fluidized bed applications. It meets the performance demands of indoor, outdoor, and appliance environments while providing excellent economic value. DURAVIN delivers enhanced flexibility and surface hardness, making it ideal for general-purpose use.



- **Wire Goods and Storage Systems** – Wire shelves, baskets, display racks
- **Fencing and Outdoor Structures** – Chain link fence wire, fence post and accessories
- **Appliance Components** – Dishwasher baskets
- **Automotive and Transportation** – Battery trays, seat frames and coils
- **Agricultural and Livestock Equipment** – Animal cages, feed bins, enclosure fencing

DURAPOL™

Functional Copolymer Thermoplastic Coatings.

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. DURAPOL powders are engineered using technology that withstands harsh chemical and heat exposure while furnishing remarkable hardness properties.



- **Consumer Goods & Appliances** – Wire shelving, baskets, appliance racks, hardware components, closet organizers
- **Livestock Equipment** - Animal cages

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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