

THERMOPLASTICS

Thermoplastic powder coatings create a seamless protective layer. They consist of pre-reacted high-molecular-weight polymers that can be remelted and fused onto the surface of the coated item, resulting in a continuous protective film.

The Protech Group offers a range of thermoplastic coatings with diverse performance features, suitable for playgrounds, outdoor furniture, bike racks, sports equipment, fencing, oil and gas pipelines, and more. They are classified into two primary categories: 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** – Bike racks, 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 pipes used in the transport of potable water. 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
- **Water Meters and Flow Equipment** – Water meter housings, flow meters, sensor enclosures
- **Pump Components** – Pump casings, impellers, inlet/outlet components
- **Flanges and Fasteners** – Flanges, bolts, washers, pipe support brackets
- **Reservoir Covers and Panels** – Tank covers, structural panels, access hatches

ENCASE™ Polyethylene Thermoplastic Coatings for Wired 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
- **Medical and Laboratory Baskets** – Sterilization trays, instrument holders, wire containment baskets
- **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.



GLAS-LOK® is designed to enhance the durability, safety, and longevity of glass across a wide range of industries. From architectural facades and automotive windows to lab glassware, decorative panels, and electronic displays, these coatings provide a clear, impact-resistant, and chemical-resistant barrier.

- **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.



- **One coat system**, no primer needed.
- **Excellent corrosion and chemical resistance** - provides a strong barrier against rust, moisture, and harsh chemicals.
- **Designed for practical, high-performance protection** in industrial environments.
- Limited to darker colors.
- Formulated for **fences and fencing 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. Formulated with a phthalate-based plasticizer, 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™ coatings are formulated for durability and performance across a wide range of uses. In consumer goods and appliances, DURAPOL™ provides a smooth, resilient finish ideal for wire shelving, racks, and household hardware. In the transportation sector, it delivers long-lasting protection for underbody parts, fasteners, brackets, and structural components, ensuring resistance to corrosion, impact, and harsh conditions.

- **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.



info@theprotechgroup.com
www.theprotechgroup.com
1-800-361-9364



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