

THERMOPLASTICS

Thermoplastic materials are one of the many types of coatings known for their recyclability and application versatility.

Thermoplastics soften when heated, and the more the heat is administered, the less viscous they become. The process of curing is completely reversible, making it possible to remold and recycle the material without its physical properties being negatively affected. A majority of the materials used to provide high strength, flexibility, and shrink-resistance and can serve in both low and high-stress applications.



SOLUTIONS

POLYARMOR®

POLYARMOR® can be formulated as either functionalized polyethylene copolymer for a flexible, tough, and highly durable plastic coating. It can be applied by fluidized bed, electrostatic spray, flame spray, or extrusion.



- The most versatile thermoplastic coating for extensive market applications.
- Reparable coating for extended product life.
- Unique one layer, primer-less coating.
- Chemical, corrosion, and abrasion resistance.
- Sound and electrical insulation.
- Little to no maintenance for reduced costs.

WATERARMOR®

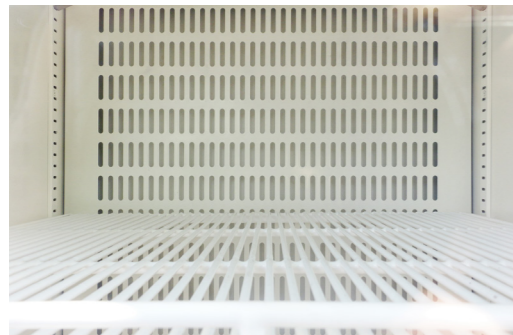
WATERARMOR™ is formulated with functionalized polyethylene copolymer that is controlled, tested and certified for marine or water infrastructure. It can be applied by fluidized bed, electrostatic spray, flame spray, or extrusion.



- Impermeable barrier for increase durability.
- Unique one layer, primer-less coating.
- Chemical, corrosion, and abrasion resistance.
- Little to no maintenance for reduced costs.
- Certified by the National Sanitation Foundation (NSF).
- Reparable coating for extended product life.
- Can replace several layers of conventional protective coating.

ENCASE™

ENCASE™ is formulated with a polyethylene-base. It has a unique finish for wiring that can be applied by fluidized bed or electrostatic spray.



- Low cost coating.
- No need of a primer.
- Scratch and chip resistance.
- Excellent color retention.
- Lower application temperature and durability.

GLAS-LOK®

GLAS-LOK® is formulated as a functionalized polyethylene copolymer that specializes in glass adhesion, to improve mechanical resistance to fragile products. It can be applied by fluidized bed or electrostatic spray.



- Shatterproof coating that protects both the user from injuries and the product itself
- Chemical, scratch and chip resistance.
- Preserves the original product appearance with a high gloss, high transparency finish
- Helps extends product lifetime and safety through a protective coat.

DURALLOY™

DURALLOY™ is formulated with phthalates for flexibility and hardness. It adheres as a single coat.

- One coat system.
- Corrosion and chemical resistance.
- Excellent durability.



DURALON™

DURALON™ is formulated with nylon for a higher durometer and temperature resistance. It adheres with an initial primer coat.

- Two coat system.
- UV, corrosion and chemical resistance.
- Excellent durability.



DURAVIN™

DURAVIN™ is formulated with plasticizer for flexibility and hardness. It adheres with an initial primer coat.

- Two coat system.
- Corrosion and chemical resistance.
- Superior durability.



DURAPOL™

DURAPOL™ is formulated with copolymers for higher durometer. It adheres as one coat.

- One coat system.
- Heat, corrosion and chemical resistance.
- Superior durability.



FORMULATING THE RIGHT MIX

For more than 45 years, 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. The 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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