

DURALLOY™

THERMOPLASTIC COATINGS

DURALLOY™ is a self-adhering, high-performance line of PVC-grade thermoplastic powder coatings designed to match the durability and protective qualities of industry-standard PVC fluidized bed coatings without the need for a primer. This eliminates an application step and reduces overall costs. DURALLOY™ offers outstanding resistance to prolonged salt spray, chemical exposure, and environmental wear, and is available in select colors.



OVERVIEW

Functional PVC Thermoplastic Coatings.

Our one-coat self-adhering PVC coatings offer a fast, efficient solution for protecting and enhancing a variety of metal surfaces. Ideal for wire goods and fencing components, these coatings deliver strong adhesion, corrosion resistance, and a smooth finish, all in a single application.

MAIN FEATURES

- One coat system, no primer needed.
- Excellent corrosion and chemical resistance, providing a strong barrier against rust, moisture, and harsh chemicals.
- Designed for practical, high-performance protection in industrial environments.
- Limited to darker colors.

TYPICAL APPLICATIONS

- Fencing
- Fencing components



DURALLOY™

TECHNICAL PROPERTIES

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

TYPE	METHOD	RESULT
RECOMMENDED THICKNESS	ASTM D6132	8 mils (203 micron) - 12 mils (305 micron)
GLOSS	ASTM D523	70 ± 5
HARDNESS, SHORE A	ASTM D2240	84 ± 2
TENSILE STRENGTH	ASTM D638	2600 psi (18 MPa)
ELONGATION (%)	ASTM D638	180%
BRITTLINESS TEMPERATURE		-4 °F (-20 °C)
MELTING RANGE		390 – 410°F
FLEXIBILITY	ASTM D522	1/8 in (3.2 mm), no cracks (>32%) (Conical Mandrel)
SALT SPRAY	ASTM B117	500 hrs. No significant under cut or creep
QUV	ASTM G53	150 hrs, no significant change in color or gloss
HUMIDITY RESISTANCE	ASTM D2247	No blistering or loss of gloss after 1000 hrs
SPECIFIC GRAVITY OF FUSED FILM		1.30 ± 0.02

SOLUTIONS

The Protech Group offers PVC coating solutions engineered to meet the performance demands of various industries and applications. Whether it's for wire products, fencing, appliances, automotive parts, or industrial equipment, our coatings deliver reliable protection, chemical resistance, and long-term durability tailored to your specific needs.

SUPPORT

To ensure the life of your asset is maximized, a simple and regular maintenance program should be implemented.

At the Protech Group, we prioritize your satisfaction and success. That's why we offer free support, even when challenges arise. From cleaning and phosphating all the way to the final cured film appearance, our experts are dedicated to assisting you every step of the way with proven solutions you can trust.

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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