

# 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

- **Functional** - Designed for practical, high-performance protection in industrial environments.
- **Excellent Corrosion and Chemical Resistance** - Provides a strong barrier against rust, moisture, and harsh chemicals.
- **Limited to Darker Colors** - Available primarily in dark shades due to material limitations.
- **One-Coat System** - Delivers full coverage and protection with a single application.

## TYPICAL APPLICATIONS

- Fencing
- Fencing components



## TECHNICAL PROPERTIES

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

GRADE		Fluidized bed
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%
BRITTLENESS 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
SPECIFIC GRAVITY OF FUSED FILM		1.30 ± 0.02

## 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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