



POWDURA[®] ECO

TGIC AND TGIC-FREE POWDER COATINGS

Plastic waste transformed.

SHERWIN-WILLIAMS[®]

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POWDURA® ECO

TGIC AND TGIC-FREE POWDER COATINGS

Powdura ECO from Sherwin-Williams is a transformative approach to powder coatings. The innovation behind this line of finishes is extraordinary. Plastic waste is converted into durable, high-performing polyester resins that contain 25% post-consumer recycled plastic (rPET). Each pound of Powdura ECO coatings contains the rPET equivalent of 16 single-use recycled plastic bottles* and delivers virtually the same performance as conventional polyester powder coatings.

PERFORMANCE PROPERTIES

Suitable for use in interior and exterior environments, Powdura ECO coatings meet or exceed your existing powder coating performance standards, and provide increased flexibility and impact resistance. They deliver an exceptional balance of mechanical properties, excellent color retention and solvent resistance.

TEST PROPERTY	TEST METHOD	TGIC	TGIC-FREE
60° Gloss	ASTM D 523	5 – 99 units	40 – 99 units
Smoothness Rating @ 2.0 mils	PCI #20	≥6	≥6
Impact (Direct/Reverse)	ASTM D2794	160/160 in. lbs.	160/160 in. lbs.
Conical Mandrel Bend	ASTM D522	1/8" No Cracking	1/8" No Cracking
Pencil Hardness	ASTM D3363	≥2H	≥2H
Crosshatch Adhesion	ASTM D3359	100% (5B)	100% (5B)
Re-coat Adhesion	ASTM D3359	100% (5B)	100% (5B)
Chemical Resistance (100% MEK)	PCI #8	Pass	Pass
Humidity Resistance (500 hours)	ASTM D2247	Blister Rating: 10, no blisters Rust Rating: 10, no rust	Blister Rating: 10, no blisters Rust Rating: 10, no rust
Salt Spray Resistance (500 hours)	ASTM B117	Avg. creep from scribe = <1.0 mm Blister Rating = 10, no blisters Rust Rating = 10, no rust	Avg. creep from scribe = <1.0 mm Blister Rating = 10, no blisters Rust Rating = 10, no rust
Xenon Resistance (500 hours)	ASTM G155	60° Gloss Retention = ≥85% ΔE = ≤1.0	60° Gloss Retention = ≥85% ΔE = ≤1.0

Measurements based on laboratory conditions on 24-gauge CRS Bonderite® 1000 P99X test panels coated between 2.0 and 4.0 mills.

BROAD, COMPREHENSIVE BENEFITS

As consumers aim to make responsible purchasing decisions, they seek products and solutions that take environmental impact into account. Powdura ECO can create a competitive advantage for manufacturers looking to use sustainability factors to differentiate their products in the market. These polyester-based coatings can be customized to meet your requirements and can align with third-party certifications like LEED, GREENGUARD® and BIFMA Level®.

Contact your local Sherwin-Williams sales representative to learn more about Powdura ECO and to discover your new competitive edge.

*Dependent upon final product formulation

At Sherwin-Williams, we think about coatings differently, continuously seeking the perfect solution to help your products win over your customers. Whether you need the most rugged and protective coating, a technical expert to provide answers and hands-on support, consistently perfect color at just the right gloss, or a custom solution created just for you — we are here to help. We are Sherwin-Williams General Industrial Finishes, and we are obsessed with giving you the competitive edge.

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