



POWDURA[®] ECO
HYBRID POWDER COATINGS

SHERWIN-WILLIAMS[®]

oem.sherwin-williams.com or call (855) 806-6846

POWDURA[®] ECO

HYBRID POWDER COATINGS

The newest offering within the Powdura ECO platform is Powdura ECO hybrid coatings. These hybrid coatings combine aesthetic appeal with exceptional functional properties that can be formulated to balance chemical, scratch and impact resistance, and provide increased color stability when compared to traditional epoxies.

The innovation behind Powdura ECO coatings is extraordinary. Plastic waste is converted into durable, high-performing polyester resins that contain 25% post-consumer recycled plastic (rPET). On average 1 pound of Powdura hybrid powder coatings contains the rPET equivalent of 7-10* single-use water bottles dependent upon final product formulation.

POWDURA ECO HYBRID ADVANTAGES

- Excellent application properties
- Formulated with resins created from recycled plastic materials
- Wide range of color, gloss and special effects available
- Contributes to a circular economy by giving plastic a second useful life
- Diverse applications, including: tools, hot water heaters, office furniture, shelving, toys, oil filters and electronic enclosures

TYPICAL PERFORMANCE PROPERTIES

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

Measurements were taken under laboratory conditions on 24-gauge CRS Bonderite[®] 1000 P99X test panels coated between 2.0 and 4.0 mils.

BROAD, COMPREHENSIVE BENEFITS

As consumers aim to make responsible purchasing decisions, they seek products and solutions that take environmental impact into account. Powdura ECO coatings can create a competitive advantage for manufacturers looking to use sustainability factors to differentiate their products in the market. These hybrid 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.

*Recycled content per pound varies from 7-10 single-use bottles based on hybrid 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 Coatings, and we are obsessed with giving you the competitive edge.

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