

Envirocron® Extreme Protection Edge

Extreme corrosion protection in one-coat powder with superior sharp edge coverage

Features

- One-coat, direct to substrate, application
- Superior corrosion protection
- Good chemical resistance
- Formulation flexibility
- 20+ micron edge coverage
- Color consistency
- Gloss range from 50-95 @ 60 degrees
- Durable and Ultradurable formulations

Potential Customer Benefits

- Reduces labor, material and utilities costs
- Extends product life cycle
- Protects surface from incidental chemical contact
- Provides corrosion protection in epoxy and hybrid chemistries for 1-coat or 2-coat applications
- Provides superior edge protection in extreme environments
- Less rejects of coated parts
- Meets various customers specifications for finish product
- Colors last longer

Availability	Technology	Coating Type	Chemistry	Substrates
USCA	Powder	Primer, Topcoat	Polyester TGIC Polyester HAA	Metals (including steel and aluminum)



PPG Segments

Agriculture and Construction Equipment

General Industrial

Suggested Uses

Heavy duty equipment

Electrical generators

Fire hydrants

Above ground propane tanks

Boom lifts

Parts with sharp edges



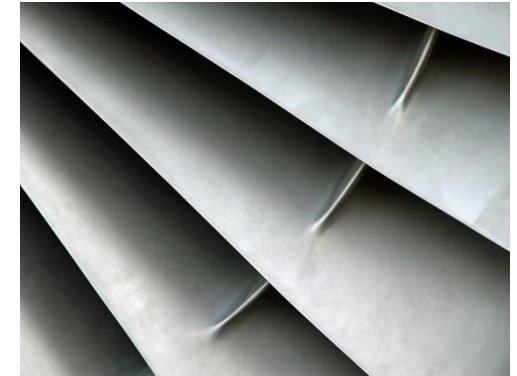
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Selected Technical Properties

Adhesion	ASTM D-3359-97	100% (5B Pass)
Hardness	ASTM D-3363-92	2H Pencil (Eagle)
Conical Mandrel	ASTM D-522-93	1/8" Mandrel - No Cracking
Salt Spray	ASTM B-117-97	1000 Hrs. Pass <1/8" Scribe Creep - No Blisters Minimal corrosion on sharp edges
Humidity	ASTM D-2247-99	1000 Hrs. Pass <1/16" Scribe Creep - No Blisters

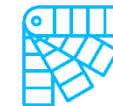
Please consult with Powder Technical team for testing conditions of various film properties and systems. Properties subject to vary based on testing conditions.



Key Features



Excellent edge and face corrosion properties



Wide range of color and gloss



Good chemical resistance



Excellent exterior durability



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Potential Benefits to Customers

Improved Performance	<ul style="list-style-type: none">• Improves appearance and coverage at the edge• Enhances corrosion resistance on edges – laser, stamped, etc.	<ul style="list-style-type: none">• Lowers total coating weight
Enhanced Edge Appearance	<ul style="list-style-type: none">• Covers edges fully	<ul style="list-style-type: none">• Delivers color consistency
Cost Savings and Efficiency	<ul style="list-style-type: none">• Eliminates need for primer• Compatible with standard metal prep• Eliminates second bake cycle• Reduces inventory• Requires less edge touch up	<ul style="list-style-type: none">• Lowers energy consumption• Reduces equipment - fewer parts to replace, maintain and service• Reduces operator hours• Lowers waste
Easy Application	<ul style="list-style-type: none">• Simplifies application process and improves application robustness	<ul style="list-style-type: none">• Lower complexity vs. a two coat system
Environmental	<ul style="list-style-type: none">• Reclaimable• TGIC and HAA options	<ul style="list-style-type: none">• Durable and ultra-durable options
Increased Longevity	<ul style="list-style-type: none">• Enhances your brand• Improves resale value	<ul style="list-style-type: none">• Reduces warranty claims
Improved Safety	<ul style="list-style-type: none">• Improves safety upon handling because sharp edges are effectively coated	

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Specifications

UL LISTED

INTERNAL ONLY

PCST70119



PCS70146 High Edge Direct-To-Metal Powder



PPG high edge powder outperforms traditional powder topcoats at 800 hours of salt spray

Competitor White Powder
5.0 – 5.4 MILS DFT



High Edge Direct-To-Metal Powder
4.0 – 4.5 MILS DFT



PPG high edge powder outperforms traditional powder topcoats at 1000 hours of salt spray