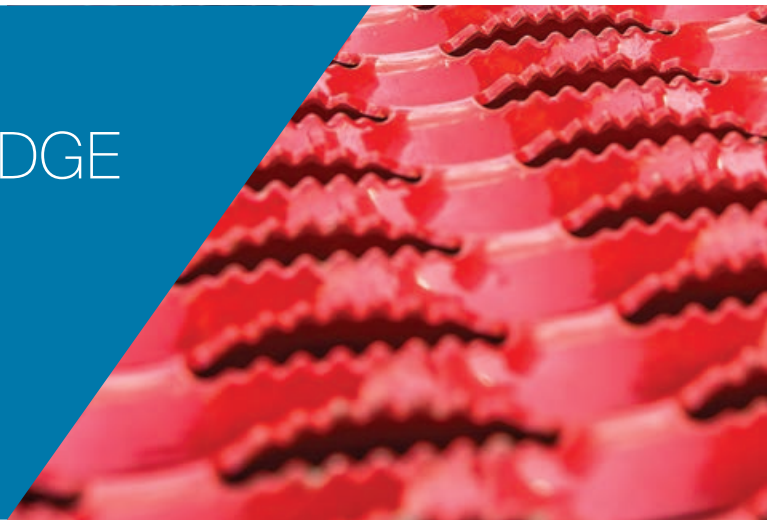
PPG ENVIROCRON® EXTREME PROTECTION EDGE

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



Protects edges with just one-coat

***PPG Envirocron* Extreme Protection Edge** is an advanced powder coating system that delivers superior protection in extreme environments — even for sharp edges, louvers, blades, mesh and other vulnerable, hard-to-cover features. And it does it in one-coat, not two ... saving time, money and labor.

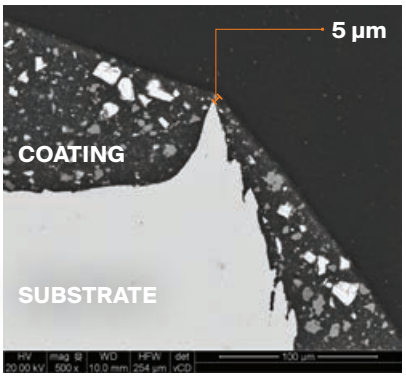
A valuable competitive edge for your business

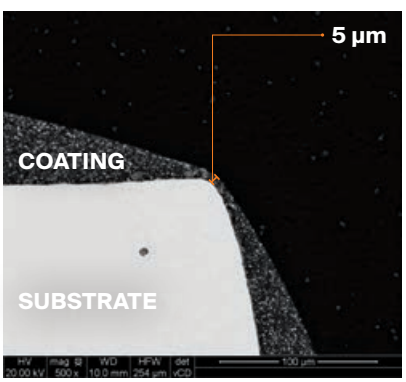
By eliminating the primer booth and oven, *PPG Envirocron* Extreme Protection Edge provides energy and material savings. However, this exceptional edge protection goes beyond the convenience and savings that come with a one-coat application. It also has increased longevity in the field and first-pass transfer efficiency so less powder is needed, delivering savings in the long run.

Proof it protects in one-coat

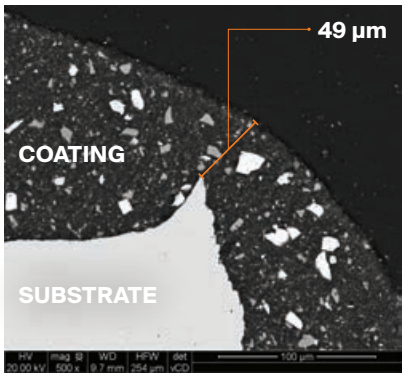
Images show the superior edge protection provided by *PPG Envirocron* Extreme Protection Edge as compared to conventional DTM powder. These SEM (scanning electron microscope) cross-sectional images show a significant increase in film build on the edges.

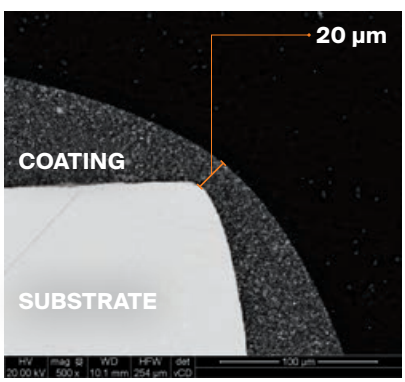
Conventional DTM Powder





***PPG Envirocron* Extreme Protection Edge**





Technical Properties

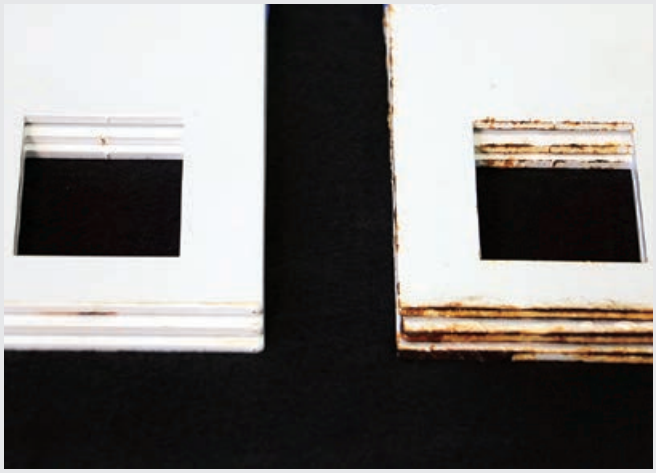
Property	Test Method	Value
Color	–	Multiple
Gloss	ASTM D-523-94	50 - 95 @ 60°
Adhesion	ASTM D-3359-97	100% (5B Pass)
Hardness	ASTM D-3363-92	H Pencil (Eagle)
Impact Resistance	ASTM D-2794-93	120 In.-lbs. Direct 80 In.-lbs. Reverse
Conical Mandrel	ASTM D-522-93	1/8" Mandrel - No Cracking
Salt Spray	ASTM 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

The edge against conventional powder coating systems

- 20+ micron edge coverage for superior corrosion protection
- Eliminates the labor, energy and disposal costs of primer
- Lower cost per square foot of painted metal
- Eliminates the need for edge rounding or blasting
- Higher first-pass transfer efficiency and reduced total powder usage
- Color consistency across the part, especially on edges
- Increased worker safety with no sharp edges to handle

40 Cycles of Cyclic Corrosion Testing

This image of laser-cut edges highlights the edge corrosion performance of a standard DTM powder coating (top 3 panels) versus PPG's High Edge DTM powder (bottom 3 panels) after 40 cycles of cyclic corrosion testing as per SAE J2334.



This image of laser-cut edges highlights the edge corrosion performance of a standard DTM powder coating (3 panels on the right) versus PPG's High Edge powder (3 panels on the left) after 40 cycles of cyclic corrosion testing as per SAE J2334.

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We protect and beautify the world®