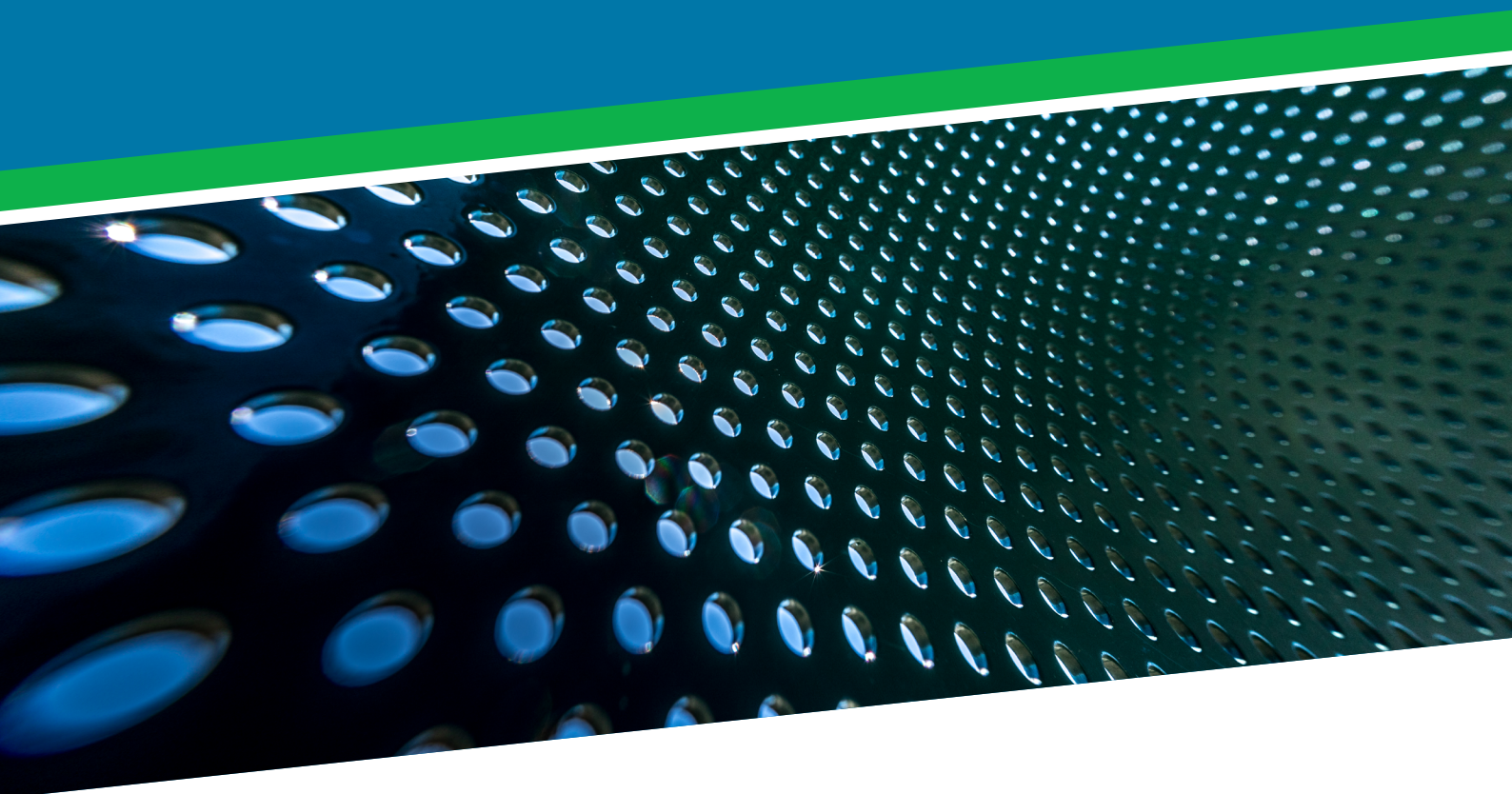


Field Application Guideline



Envirocron® Extreme
Protection Edge
General Industrial



We protect and
beautify the world®

What is PPG

Envirocron Extreme Protection Edge?

It is a brand NEW powder technology designed to provide excellent edge corrosion properties. This unique technology is specially formulated to cover sharp edges, offering superior corrosion protection.

Application Considerations Summary

Because High Edge is unlike traditional powder-coatings, special considerations should be given when it comes to application in order to realize the full benefits.

- ☐ Voltages may need to be lowered to between 35-65kV as higher voltages can lead to back ionization.
- ☐ Micro-amperage might need to be adjusted to 10-20 (µA).
- ☐ Automatic Gun settings suggested to run in AFC mode (Automatic Feedback Control) with Micro Amps set between 15-20 uA.
- ☐ Powder volume/pressure may need to be re-balanced to keep consistent powder flow to the gun to minimize surging.
- ☐ Fluidizing pressures may need to be increased.
- ☐ Pattern out of the gun may look more “cloudy” or “dusty”.
- ☐ Reclaimed powder should be used as generated.

Envirocron Extreme Protection Edge Troubleshooting

As with any launch, the following should be addressed prior to applying this product:

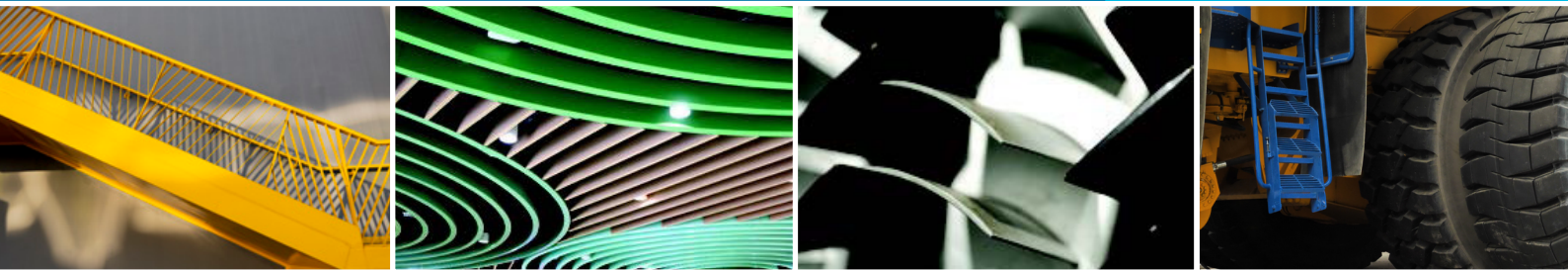
A completed line survey should be provided to the technical team(s) assisting in the launch, along with relevant, up-to-date specifications, to ensure the product meets customer guidelines:

- ☐ Document visual assessment of pretreatment quality and dry-off appearance.
- ☐ Ensure metal-to-metal contact and proper grounding.
- ☐ Have a baseline for incumbent powder performance, appearance, etc.
- ☐ Ensure powder is fluidizing properly in the hopper – adjust air supply as needed.
- ☐ Document applications settings.
- ☐ Ensure proper air pressure in the booth.
- ☐ Ensure all wear items are in good working condition.

Suggested Parameters

Spray Gun: **Corona Applicator**
Flow Rate: **Approx. 80 g per minute**
Voltage: **45-65 KV**
Micro Amps: **10-20 uA**
Distance: **8” – 12” (25 – 30 cm)**

Controlling Micro amps are more important than setting Kv lower, self-limiting of the micro amps will take care of higher Kv as the Kv will adjust automatically when setting specific ranges for micro amps.



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Operations in 75+ countries, with 100+ manufacturing facilities and 50,000 employees



Renowned color expertise

Trend-setting palettes for home, auto and industry paired with unrivaled color matching



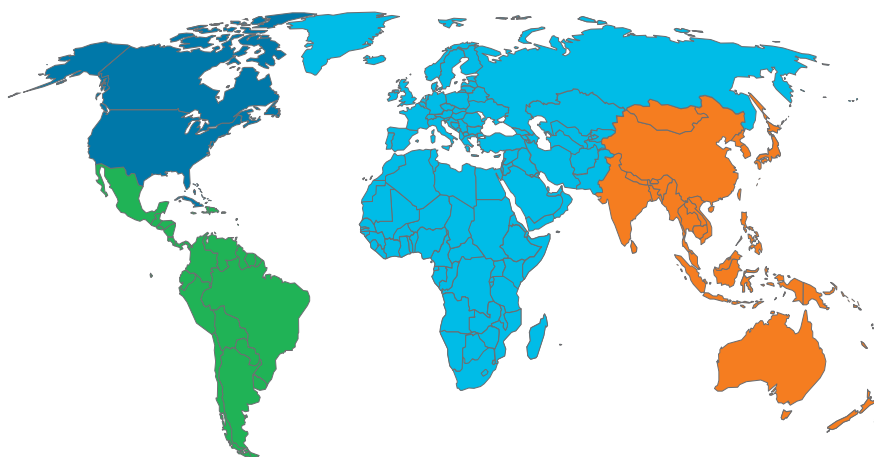
Commitment to sustainability

Over 39% of annual sales from sustainably advantaged products and processes



Dedication to innovation

3,500+ technical employees and \$470 MM average annual R&D investment



Industrial coatings from PPG

- World-class technical services and training
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