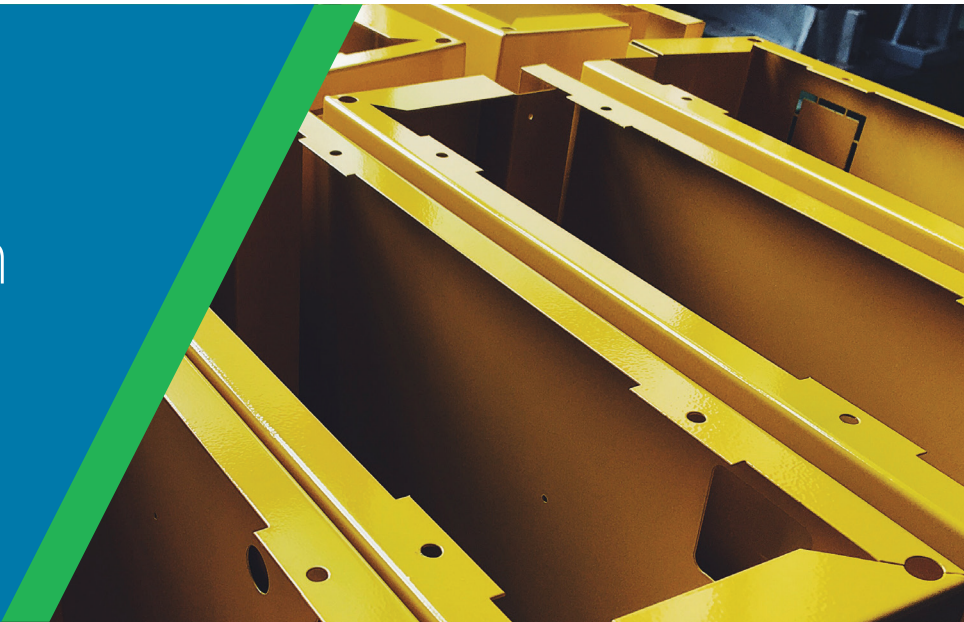




Edging out the competition: a new standard in powder coating performance



PPG's next generation high-edge formulation

Launched in 2019, PPG ENVIROCRON® Extreme Protection Edge powder coating technology offered outstanding edge corrosion resistance in a single coat. Engineered specifically to cover sharp edges on challenging parts such as louvers, blades and mesh, this innovative, patented technology delivered exceptional coverage that outperformed traditional one-coat direct-to-metal powders and two-coat dry-on-dry powder systems.

Building on those competencies, improved **Envirocron Extreme Protection Edge Plus** technology provides the same excellent protection with enhanced aesthetic features. The film now has significantly reduced orange peel versus its predecessor, resulting in a smoother, more uniform appearance. This elevates the product's visual appeal while maintaining the same strong corrosion protection.

Available in a wide range of colors, gloss levels and effects, *Envirocron* Extreme Protection Edge Plus technology supports diverse end-market applications and meets specific requirements for corrosion resistance, aesthetics and cost effectiveness.

Suggested markets

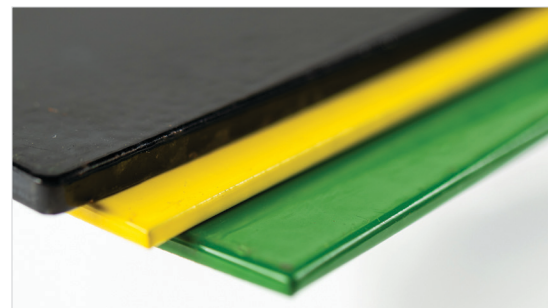
HVAC

Heavy-duty equipment

Electrical enclosures

Railings and gates

Signs and point of sale displays



The PPG benefit



One-coat, direct-to-substrate application with exceptional edge protection for extreme environments

Outstanding corrosion protection with good chemical resistance



Designed to work with multiple *Envirocron* powder chemistries

Durable and ultradurable formulations available



Eliminates or minimizes edge rounding equipment and extra machining time

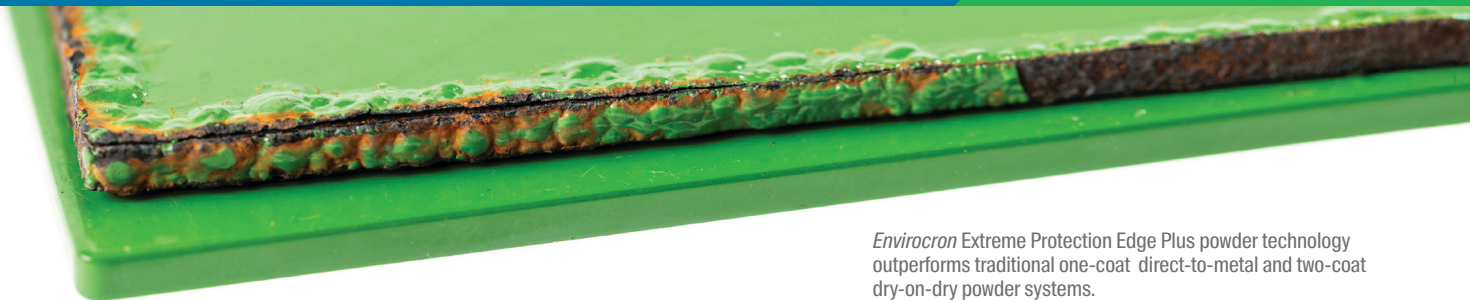
Eliminating primer coat and bake can reduce labor, material and utility costs



Improved appearance/smoothier film with reduced coating issues, including orange peel*

Long-lasting, consistent color with a full gloss range at 60°

* Compared to first-generation PPG *Envirocron* Extreme Protection Edge technology.



Envirocron Extreme Protection Edge Plus powder technology outperforms traditional one-coat direct-to-metal and two-coat dry-on-dry powder systems.



Envirocron® Extreme Protection Edge Plus



Proven compatibility with multiple powder resin chemistries

- Polyester TGIC
- Polyester TGIC (Low Cure)
- Polyester Primid
- Polyurethane
- Polyester/Epoxy Hybrid
- Epoxy



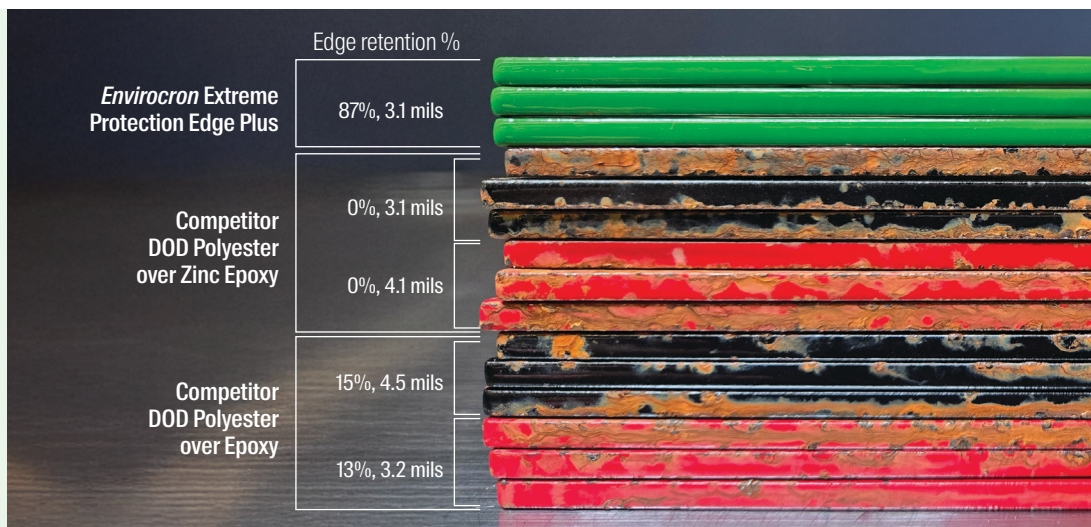
Our best high-edge performance

Envirocron Extreme Protection Edge Plus technology is fully tested and highly compatible with many of our powder coatings, but we recommend using it with PPG *Envirocron* HTE 04 Ultra-Durable powder coatings. These polyester TGIC coatings were already designed for outstanding coverage on complex parts and shapes, offering an exceptionally high transfer efficiency rate of up to 85%. Combined with *Envirocron* Extreme Protection Edge Plus technology, these coatings offer outstanding edge corrosion protection as well.

Product Characteristics	<i>Envirocron</i> HTE 04 Ultra-Durable
Color	Full range
Gloss @ 60° (ASTM D523)	15-95
Substrates	Cold-rolled steel, hot-rolled steel, aluminum, iron
Performance Properties	
Hardness (ASTM D3363)	2H minimum
Adhesion (ASTM D3359)	5B
Salt Spray Resistance (ASTM B117)	Steel: 1,000 hours Aluminum: 3,000 hours

Better edge retention and corrosion resistance than competitive primer/topcoat systems

A single coat of *Envirocron* HTE 04 Ultra-Durable powder enhanced by *Envirocron* Extreme Protection Edge Plus technology clearly outperforms competing two-coat, dry-on-dry (DOD) powder systems after 1,008 hours of ASTM B117 salt spray corrosion testing.



WARNING: Certain products listed may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to [P65Warnings.ca.gov](https://www.p65warnings.ca.gov).

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