



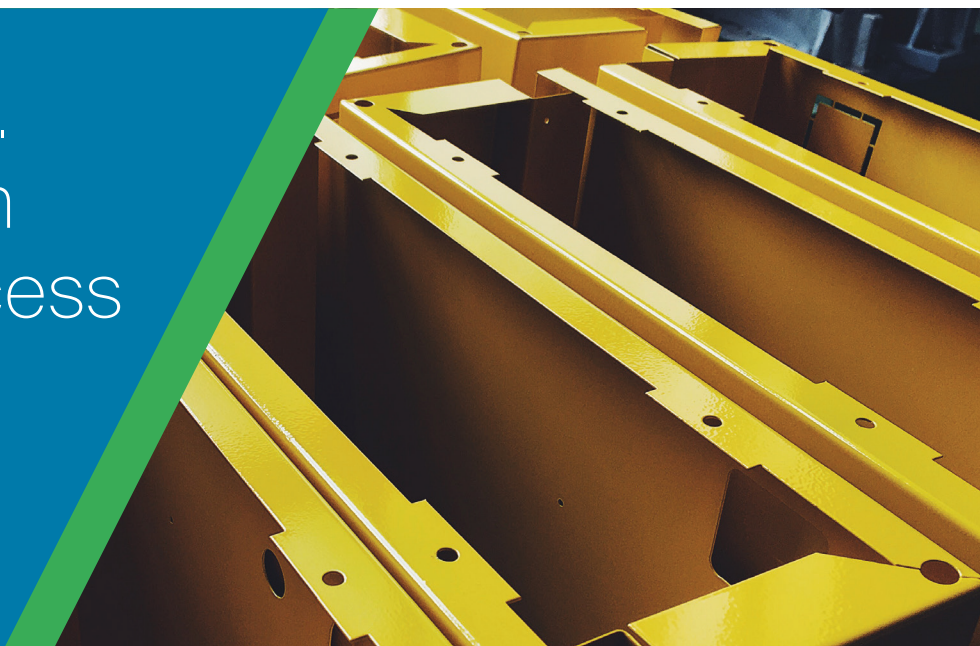
Envirocron® Extreme Protection Edge Plus Powder

Europe, Middle East and Africa (EMEA) formulation.



Protect the Edge. Elevate the Finish Improve the Process

Exceptional single-coat
edge protection with
improved aesthetics



PPG's Next-Generation High-Edge Formulation

Building on the proven performance of PPG ENVIROCRON® Extreme Protection Edge technology, the new **Envirocron Extreme Protection Edge Plus** powder combines outstanding corrosion protection with enhanced aesthetics and advanced processing capabilities, including low-cure and direct-to-metal (DTM) solutions, helping manufacturers meet increasingly demanding performance, sustainability and productivity requirements.

Engineered for challenging geometries, sharp edges, louvers, mesh and fabricated metal components, **Envirocron Extreme Protection Edge Plus** powder delivers a smoother, more uniform finish with significantly reduced orange peel, while improving the corrosion resistance that has made this technology a trusted solution in demanding industrial environments. The new patented generation provides outstanding edge coverage and protection, delivering performance that can exceed traditional one-coat direct-to-metal powders and compete with more complex two-coat dry-on-dry powder systems. In addition, this new product offers a low cure option, allowing a reduction in curing temperatures by up to 160°C, generating energy savings and lower CO₂ emissions.

Available across a broad range of colors, gloss levels and effects, **Envirocron Extreme Protection Edge Plus powder** enables manufacturers to protect critical edges, enhance product appearance and optimize coating processes, all within a high-performance powder coating solution.

Suggested markets

Heavy-duty equipment / Agricultural machinery

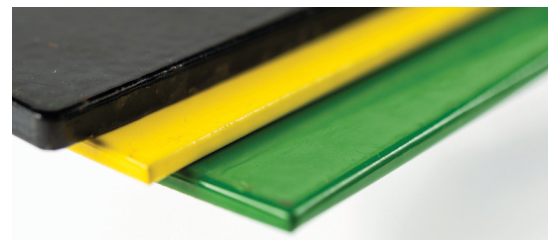
HVAC

General industrial applications

Metal furniture

Electrical enclosures

Automotive and transportation



The PPG benefit



One-coat, direct-to-metal application. Exceptional edge protection in extreme environments with up to 20+ micron edge coverage

Outstanding corrosion performance with good chemical resistance



Designed to work with multiple systems: e-coat, powder primer or direct-to-metal (DTM)

Durable and ultra durable formulations available



Eliminates or minimizes the need for edge rounding equipment and extra machining time

Eliminates the primer layer and baking step, reducing labor, material, and utility costs



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

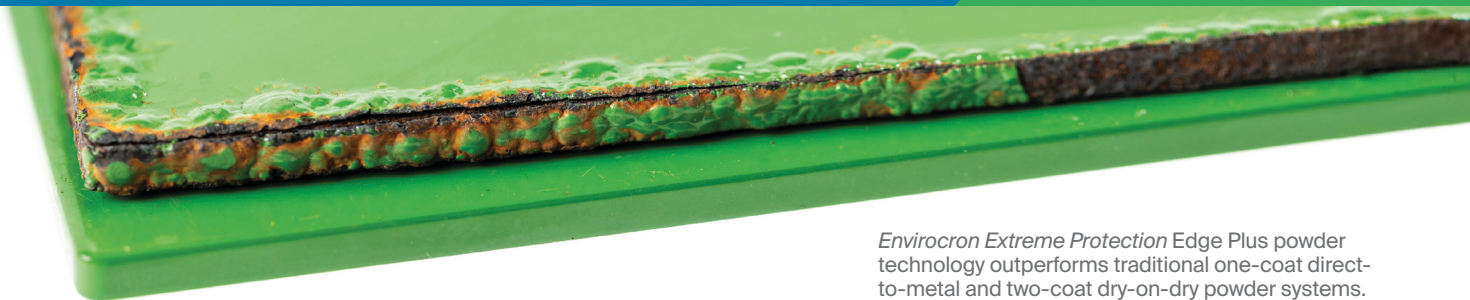
Long-lasting, consistent color across the full 60° gloss range, with reliable batch-to-batch color consistency



Available in low cure options, helping reduce energy consumption, CO₂ emissions and support heat-sensitive substrates

Existing in high transfer efficiency (HTE) technology

* 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 Powder



Proven compatibility with multiple powder resin chemistries

- Polyester Primid
- Epoxy-Polyester Hybrid
- Epoxy
- Polyurethane



Our best High Edge performance

Envirocron Extreme Protection Edge Plus technology has been extensively tested and is compatible with a broad range of PPG powder coating solutions. For optimum corrosion performance, PPG recommends selecting pretreatment and coating systems based on the target environment and durability requirements. Drawing on expertise across pretreatment, e-coat, primer and powder coating technologies, PPG can recommend the optimal corrosion protection system, tailored to specific substrates, environments and performance expectations.

Product Characteristics	Envirocron Extreme Protection Edge Plus
Color	Full range
Gloss at 60° (ISO 2813)	15-95
Substrates	Cold-rolled steel, hot-rolled steel, aluminum, iron
Recommended Thickness of Coating	80 – 120 µm
Performance Properties	
Hardness (ISO 15184)	2H minimum
Adhesion (ISO 2409)	GT0
Salt Spray Resistance (ASTM B117)	Steel: 1 000 hours Aluminum: 3 000 hours

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

A single coat of *Envirocron Extreme Protection Edge Plus* technology clearly outperforms competing two-coat, dry-on-dry (DOD) powder systems after 1 000 hours of ISO 9227 salt spray corrosion testing.

	Edge retention %	
Envirocron Extreme Protection Edge Plus	87%, 80 µm	
Competitor DOD Polyester over Zinc Epoxy	0%, 80 µm	
	0%, 105 µm	
Competitor DOD Polyester over Epoxy	15%, 115 µm	
	13%, 82 µm	

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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