

PPG powder solutions for the long haul



Wheel coatings program
featuring the ENVIROCRON® family of powder coatings



We protect and beautify the world®



A program specially designed to improve the efficiency of your wheel coating process

In today's competitive marketplace, wheel coaters are looking for ways to make their coating process more efficient and help their products look better and last longer – all while meeting increasingly rigorous environmental mandates and industry requirements.

That's why, when it comes to wheel coatings, many of the world's top coaters count on PPG.

Working closely with our strategic partners in the industry, PPG has developed a comprehensive program and unique products that were designed to improve the efficiency of your coating process and provide solutions to the unique challenges you face:

Program benefits

- National efficiency and buying power with local stock and service
- Technical support/line audits
- On-site application training
- Product training for outside reps
- One-stop shopping
- Customized marketing support
- Online account access and billing
- Property maintenance coatings to improve the look of your plant

Product benefits

- Multiple formulations that meet a variety of specifications
- New direct-to-metal, max corrosion formulation with no need to prime
- Primer/topcoat options when a primer is required
- Options with 85% or more first-pass transfer efficiency that lower waste and increase productivity vs. standard powder coatings
- Low-cure formulas that may help to reduce energy costs
- Stock and custom color options

Suggested markets

Wheels

Suggested end uses

Tractor trailer trucks

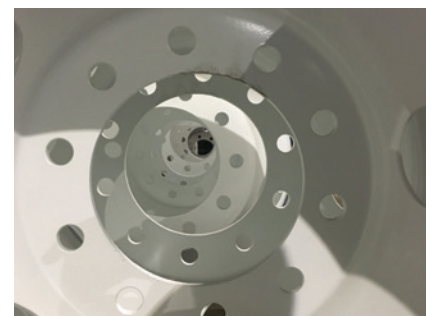
Delivery trucks

Agricultural equipment

Construction equipment

Forestry equipment

Mining equipment



PPG's wheel coatings program delivers improved efficiency



World-class technology and innovative products

PPG is one of the world's preeminent suppliers of coatings solutions. We can strategically deliver innovative technologies to manufacturers and custom coaters who need quick, reliable and effective service to accelerate their businesses. We are one of the few global providers to offer expertise in every major coating technology – not just powder coatings, but also pretreatment, liquid coatings and electrocoats.



Dependable inventory management and delivery

Partnership with PPG includes a personalized inventory-management program that provides the products you need, delivered on time. We'll keep your coatings and sundries stocked in our local professional service centers and PPG authorized independent distributors based on the minimum levels you require. By utilizing our local distribution, you take the risk out of last-minute inventory management and reduce the amount of material stocked on your shop floor.



Full technical, application and sales support

PPG delivers world-class technical support. Our representatives can assist you with setting up a new coatings line or auditing an existing one to find ways to make your process faster and more efficient. We'll provide on-site application training for your line operators and teach your sales reps how to speak with your customers about the benefits of our products. We also offer additional support, including access to marketing material and online accounts for efficient tracking and bill payment.



One-stop shopping

We provide much more than innovative coatings. Your local professional service center and PPG authorized independent distributors can also deliver the supplies and sundries you need, including custom aerosols for touchups, spray guns, drop cloths and plastic, tape, booth cleaning products and more.

Looking to refresh the look of your facility? Leverage our full range of architectural and industrial coatings to refresh everything from office spaces and building exteriors to work areas and equipment.

GOOD

Envirocron Coatings

The original *Envirocron* powder coatings offer solid, reliable performance. Applied directly to metal or over a primer for enhanced performance, they offer good chemical and corrosion resistance while providing great durability and hardness.

GOOD / BETTER

Envirocron Epoxy Primers

Both *Envirocron* XZR zinc-rich primer and *Envirocron* semi-conductive zinc ultra primer will improve corrosion protection versus topcoat-only application, but the latter offers higher transfer efficiency and works over smooth steel in addition to blasted and pretreated steel.

BETTER

Envirocron HTE (High Transfer Efficiency) Coatings

Engineered for ease of application, durability and performance on complex metal parts and surfaces, *Envirocron* HTE coatings have faster application build-rates than traditional coatings on components with recessed cavities, tubular shapes and other intricate, difficult-to-coat wheel surfaces.

With first-pass transfer efficiency rates of 85% or better, *Envirocron* HTE coatings are ideal for spray-to-waste applicators seeking to reduce product loss and

increase productivity. Trials across the country have consistently yielded 20-30% more wheels coated per box than traditional polyester coatings, and the higher transfer efficiency means less time cleaning between color changes.

Envirocron HTE coatings can be applied directly to metal or over an approved primer for enhanced performance. The polyester HAA formulation is TGIC- and BPA-NIA.

BEST

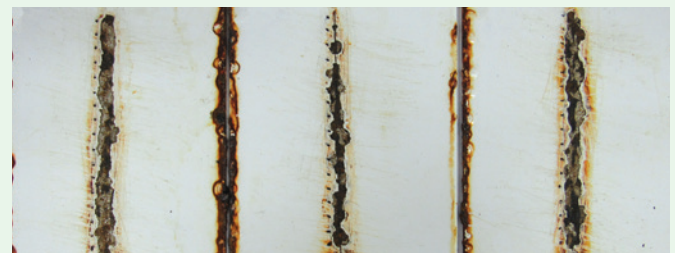
NEW! Envirocron HTE Max Coatings

Designed exclusively to meet the unique requirements of wheel coaters and wheel refurbishers, *Envirocron* HTE Max polyester coatings represent a revolutionary step forward in protection for large truck wheels.

Offering the same great transfer efficiencies as *Envirocron* HTE coatings, *Envirocron* HTE Max coatings offer up to three times the corrosion resistance of traditional single-coat powders, but without the higher labor costs and longer process time associated with more durable primer/topcoat systems. The result is a balanced coating that offers better protection for your parts and increased efficiency for your painting process.

Salt Spray Resistance

ASTM B117, 3,000 hours | Single coat over blasted steel



Envirocron HTE Max Polyester Coating



Competitor Polyester Coating



Envirocron powder coatings performance

Product Characteristics	Envirocron Coating ¹	Envirocron HTE Coating ¹	Envirocron HTE Max Coating ²
Performance Rating	Good	Better	Best
Application	Direct-to-metal or with primer	Direct-to-metal or with primer	Direct-to-metal No primer needed
Transfer Efficiency	Good	85% or better	85% or better
Colors	Custom colors	Custom colors	Custom colors
Gloss @ 60° (ASTM D523)	>20	>20	>20
Substrates	Cold-rolled steel, hot-rolled steel, aluminum, iron		

Performance Properties			
Dry Film Thickness (ASTM D1400)	2.5 mils +/- 0.5	2.5 mils +/- 0.5	3.0 mils (minimum) above blast profile
Cure	400° F (204° C) for 10 minutes	350° F (177° C) for 10 minutes	350° F (177° C) for 10 minutes
Pencil Hardness (ASTM D3363)	H	2H	2H
Cross Hatch Adhesion (ASTM D3359)	5B	5B	5B
Direct Impact Resistance (ASTM D2794)	Up to 160 in./lbs.	Up to 160 in./lbs.	Up to 160 in./lbs.
Humidity Resistance (ASTM D2247)	1,000 hours	1,000 hours	1,000 hours
Salt Spray Resistance (ASTM B117)	1,000 hours ¹	1,000 hours ¹	Up to 3,000 hours ²

Product Characteristics	Envirocron XZR Zinc-Rich Primer (PCM70140)	Envirocron Semi-Conductive Zinc Ultra Primer (PCMT70101)
Performance Rating	Good	Better
Colors	Gray	Gray
Gloss @ 60° (ASTM D523)	55 - 70	0 - 10
Substrates	Blasted and pretreated steel	Blasted and pretreated steel, smooth steel

Performance Properties		
Dry Film Thickness (ASTM D1400)	2.0 - 3.0 mils	1.5 - 2.5 mils
Cure	325° F (163° C) for 20 minutes	340° F (171° C) for 10 minutes
Pencil Hardness (ASTM D3363)	H - 2H	2H
Cross Hatch Adhesion (ASTM D3359)	5B	5B
Direct Impact Resistance (ASTM D2794)	80 in./lbs.	80 in./lbs.
Humidity Resistance (ASTM D1735)	1,000 hours	2,000 hours
Salt Spray Resistance (ASTM B117)	4,000 hours	4,000 hours
Scab Corrosion (SAE-J2334)	-	120 cycles - pass

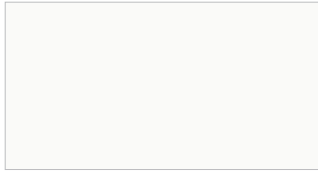
¹ Test performed with coating applied direct to metal over iron phosphate pretreated panels.

² Test performed with coating applied direct to metal over blasted steel panels.

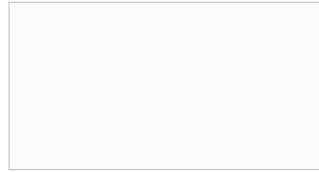
Brilliant color for the long haul

Envirocron powder coatings offer not only exceptional protection, but also brilliant, consistent colors across a variety of gloss levels. Along with industry-standard whites and blacks, we also offer popular colors specified by national customers and the ability to custom create or match thousands more.

All colors below are available as *Envirocron*, *Envirocron* HTE and *Envirocron* HTE Max coatings. Unless specified, the codes shown are for *Envirocron* HTE coatings. Ask your PPG representative for more information about availability.



HTE Wheel White
PCST89117 85+



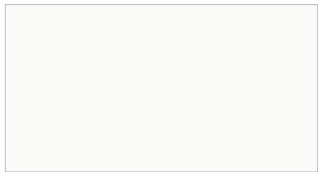
HTE MAX Wheel White
PCST89138 85+



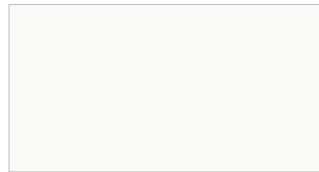
HTE Wheel Red
PCST69103 85+



HTE MAX Wheel Red
PCST69115 85+



HTE Ultra Wheel White
PCST89131 85+



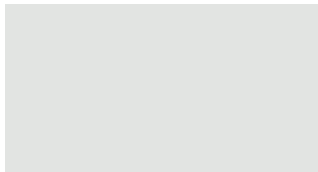
HTE MAX Ultra Wheel White
PCST89145 85+



RAL 3011 Brown Red
PCST69109 75-85



RAL 8025 Saddle Brown
PCST29134 50-60



Medium Gloss White II
PCST89120 50-60



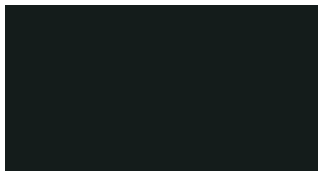
ANSI 61 Gray
PCST70119 50-60



HD Orange
PCST30118 60-70



Ames Yellow
PCST30112 25-35



Matte Black Tex
PCST90107 2-5



Black
PCST90121 55-65



Marrakech Blue
PCST59105 30-40



RAL 5010 Gentian Blue
PCST50125 85+



Black
PCST99104 60-70



Black
PCST90100 75-85

The color chips in this selector cannot be considered totally accurate color matches, and are not to be used as approved standards. This document contains general information only and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

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