Industrial Coatings

Low-Friction and Non-Stick Technologies for Industrial Use

PPG

We protect and beautify the world™

Low-friction and non-stick coatings from PPG

As one of the largest and most recognized coatings manufacturers, PPG offers high-performance solutions that add durability, beauty and lasting color to products that span a wide range of industries.

With our legacy of innovation, leadership in color and technical expertise, PPG works with companies in more than 70 different countries to provide reliable, cost-effective solutions to help protect their products, brands and bottom lines.

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Low-friction and non-stick coatings for industrial use

A global leader in advanced coatings, paints and specialty materials, PPG has been trusted for over 135 years to protect and enhance some of the world's best-known products, landmarks and brands.

The industrial coatings business is a proud part of this heritage and PPG's enduring commitment to innovation, color and sustainability.

A global partner with a local presence

PPG serves more industries, and in more regions, than any other coatings manufacturer, giving customers in over 70 different countries local access to our exceptional products and support.

Our purpose is straightforward; to deliver high-performance coatings and services that address our customers' toughest challenges, from performance to production, from aesthetics to environmental demands and everything in between.

Suggested markets
Automotive parts and accessories
Energy
High Temperatures
General Industrial

Application Technologies
Spray
Coil
Dip spin
Screen/Dispenser/Pad print
Knife over air

Automotive Parts and Accessories

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Solventborne	Primer	XYLAN®	Global	4016	Polyolefin	Rapid drying	Does not require flash
Solventborne	1 coat	*Xylan*	Global	4018	PES	Excellent adhesion	Works with various substrates
						Wide color range	Helps with product identification
						Good thermal resistance	Works well with fluoropolymer powder top coats
		Xylan	Global	16-054	Engineered Polymer	Exceptional wear resistance	Offers increased durability and lifetime compared to uncoated parts
						Low CoF (0.10 - 0.12)	Provides increased mechanical efficiency compared to uncoated parts
						High heat resistance	Compatible with hot operating components
						Good chemical resistance	Compatible with common automotive fluids
		Xylan	Global	16-014	Engineered Polymer	Exceptional wear resistance	Offers increased durability and lifetime compared to uncoated parts
						Low CoF (0.08 - 0.10)	Allows for increased efficiency compared to uncoated parts
						Higher DFTs compared to Xylan 16-054 or 16-015	Can achieve high lifetime cycling specifications. (Confidential customer test data available)
		Xylan	Global	16-015	Engineered Polymer	Exceptional wear resistance	Provides increased durability of engine parts compared to uncoated engine parts
						Exceptional fatigue resistance	Increased product life compared to uncoated parts
Solventborne	2 or 3 coat	*Xylan*	Global	5230	Epoxy	Corrosion resistance	Protects metal surfaces from harsh environmental conditions
						Low CoF	Offers consistent Torque Values
						Has met recent EU end of life regulations	In compliance with EU automotive uses (Please ask about specific product codes)

Performance						Substrates						VOCs with exempts		Cure*	In service	Application				
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Load resistance	UV resistance	Aluminum	Mild Steel	Stainless	EPDM rubber	Nylon/Aramid	Rubberized steel	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Screen/Dispenser/Pad print	Knife over air	Coil application
Best	N/A	N/A	N/A	N/A	N/A				★★★				✓	N/A	150°C / 302°F	✓				
Better	★★	10 - 15	N/A	N/A	★★	★★★	★★★	★★					✓	204°C / 400°F	as topcoat	✓				
Best	★	8 - 14	★★	★★★	N/A	★★★	★★★	★★					✓	275°C / 527°F	260°C / 500°F	✓	✓	✓		
Best	★	10 - 20	★★	★★	N/A	★★★	★★★	★★					✓	250°C / 482°F	260°C / 500°F	✓	✓	✓		
Best	★	8 - 14	★★	★★	N/A	★★★	★★★	★★					✓	240°C / 464°F	260°C / 500°F	✓				
Better	★★	3 - 5/ coat	★★	★	N/A	★★★	★★★	★★★					✓	220°C / 428°F	175°C / 347°F	✓	✓			

* Please refer to specific product data sheets for complete technical details.

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Automotive Parts and Accessories (continued)

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Waterborne	Topcoat	RESILON®	Global	2020	PU-Si	1K application	Allows for reduced coating loss during application
						Improved noise resistance	Offers excellent sealing of parts to help reduce noise compared to uncoated parts
						Excellent weathering resistance	Protects substrate from UV degradation
						High abrasion resistance	Protects substrate from abrasion/wear in automotive sealing applications compared to uncoated parts
						Chemical resistance	Protects substrate from attack by automotive cleaning fluids, solvents and other reagents
						Water sealing properties	Prevents water ingress compared to uncoated parts
						Low CoF	Prevents car doors from sticking during exposure to temperature extremes
						Smooth and particulate variants	As required to meet haptic/design requirements
		Resilon	Global	2420	PU-Si	1K application	Allows for reduced coating loss during application
						Improved noise resistance	Offers excellent sealing of parts to help reduce noise compared to uncoated parts
						Excellent weathering resistance	Protects substrate from UV degradation
						High abrasion resistance	Protects substrate from abrasion/wear in automotive sealing applications compared to uncoated parts
						Chemical resistance	Protects substrate from attack by automotive cleaning fluids, solvents and other reagents
						Water sealing properties	Prevents water ingress compared to uncoated parts
						Low CoF	Prevents car doors from sticking during exposure to temperature extremes
						Smooth and particulate variants	As required to meet haptic/design requirements
		Resilon	Global	2120	PU-Si	1K application	Allows for reduced coating loss during application
						Good weathering resistance	Protects substrate from UV degradation
						Good abrasion resistance	Protects substrate from abrasion/wear in automotive sealing applications compared to uncoated parts
						Chemical resistance	Protects substrate from attack by automotive cleaning fluids, solvents and other reagents
						Water sealing properties	Prevents water ingress compared to uncoated parts
						Low CoF	Prevents car doors from sticking during exposure to temperature extremes
						Smooth and particulate variants	As required to meet haptic/design requirements
		Resilon	Global	2251	PU-Si	Reduced frictional properties	Allows easy installation of parts, e.g sealing on automotive production lines
						Weathering resistance	Protects substrate from UV degradation
						Air-dry	Low energy or no cure heating required
						Can be post applied	Provides added application flexibility to solve noise issues on vehicles after production

Performance						Substrates						VOCs with exempts		Cure*	In service	Application				
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Load resistance	UV resistance	Aluminum	Mild Steel	Stainless	EPDM rubber	Nylon/Aramid	Rubberized steel	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Screen/Dispenser/Pad print	Knife over air	Coil application
Best	N/A	15 ± 3	★★★	N/A	★★★				★★★			✓		185°C / 365°F	150°C / 302°F	✓				
Best	N/A	15 ± 3	★★★	N/A	★★★				★★★			✓		120°C / 365°F	150°C / 302°F	✓				
Best	N/A	25 ± 5	★★★	N/A	★★★				★★★			✓		185°C / 365°F	150°C / 302°F	✓				
Best	N/A	5 - 7.5	★★	N/A	★★				★★★			✓		Air dry	150°C / 302°F	✓				

* Please refer to specific product data sheets for complete technical details.

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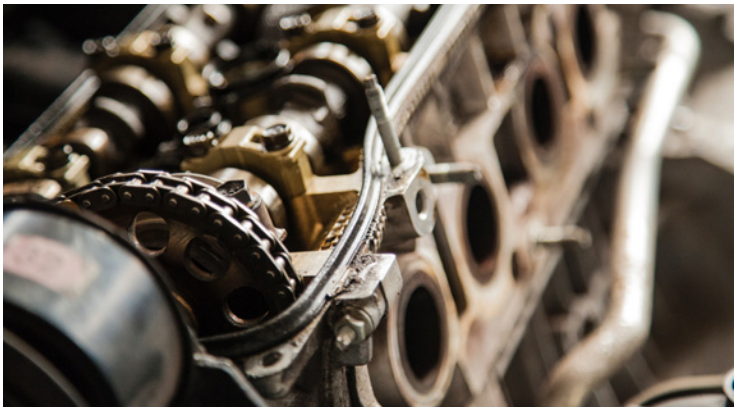
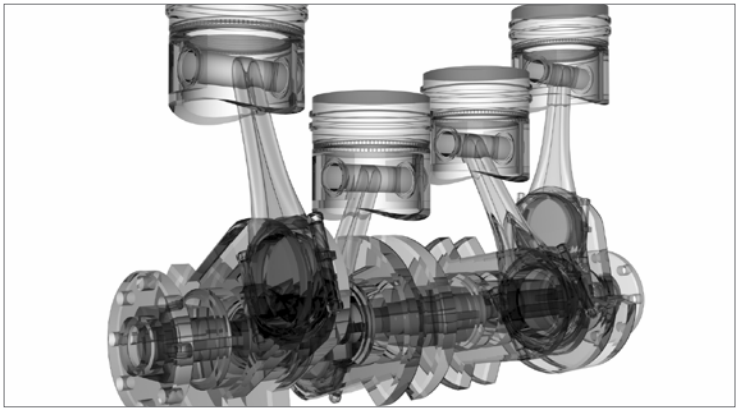
Automotive Parts and Accessories (continued)

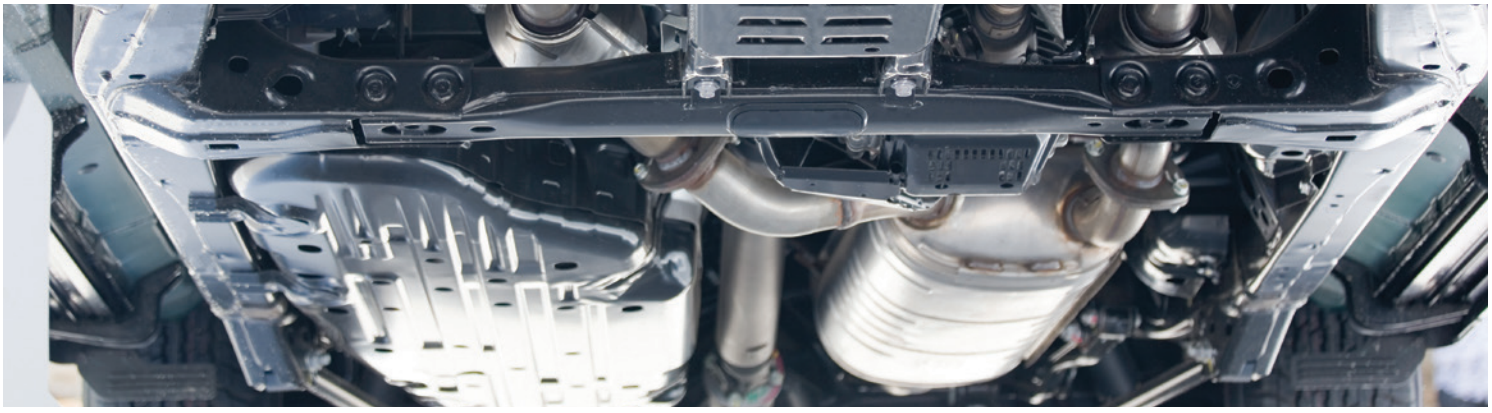
System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Solventborne	Topcoat	*Xylan*	Global	1632	Polyurethane	Good sealing properties	Helps to better maintain engine compression compared to uncoated engine parts
						Excellent chemical resistance	Resists attack from engine oil, coolant and other reagents
						Abrasion resistance	Offers increased protection and scratch resistance compared to uncoated parts
		Xylan	Global	1642	Polyurethane	Abrasion resistance	Helps to increase durability and product life compared to uncoated parts
Powder	Topcoat	*Xylan*	Global	80-510	PFA	Exceptional release property	Provides excellent non-stick performance compared to uncoated parts
						Excellent thermal resistance	Enables use in very-high-temperature environments
						Suitable for manual or robotic application	Provides a high level of spray efficiency compared to liquid coatings
						Specifically formulated without VOCs	Saves cost associated with reduced requirement for environmental controls
		Xylan	Global	80-550	FEP	Exceptional release property	Provides excellent non-stick performance compared to uncoated parts
						Very good thermal resistance	Enables use in high-temperature environments
						Suitable for manual or robotic application	Provides a high level of spray efficiency compared to liquid coatings
						Specifically formulated without VOCs	Saves cost associated with reduced requirement for environmental controls





Performance						Substrates						VOCs with exempts		Cure*	In service	Application				
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Load resistance	UV resistance	Aluminum	Mild Steel	Stainless	EPDM rubber	Nylon/Aramid	Rubberized steel	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Screen/Dispenser/Pad print	Knife over air	Coil application
Best	N/A	N/A	★★	N/A	★★				★★★		★★★		✓	150°C / 302°F	150°C / 302°F	✓				✓
Best	N/A	N/A	★★	N/A	★★				★★★	★★★			✓	150°C / 302°F	150°C / 302°F	✓			✓	
Best	★★★	25 - 75	★★★	★★★	N/A	★★★	As primer	As primer	As primer	As primer	As primer	✓		400°C / 752°F	260°C / 500°F			✓		
Better	★★★	25 - 50	★★★	★★★	N/A	★★★	As primer	As primer	As primer	As primer	As primer	✓		400°C / 752°F	205°C / 401°F			✓		

* Please refer to specific product data sheets for complete technical details.



Energy and General Industrial

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Solventborne	Primer	*Xylan*	AP + EMEA	01-411	Silicate/Zn-Al Flake	Corrosion resistance	Enables lower cost steel to be used in place of stainless steel
						Made without Chromium	Available to meet certain customer specifications
		Xylan	AP	52-110	Titanate-Silicate/Zn-Al Flake	Corrosion resistance	Providers longer service life compared to unprimed parts
		Xylan	Global	4090	PAI	Reduced permeability	Increases service life when used with Xylan 1000 series coatings
Waterborne	Primer or 1 coat	*Xylan*	Global	1391	PPS	Chemical resistance	Helps protect downhole equipment in high temperature and pressure environments
Solventborne	Primer Midcoat Topcoat	DYKOR™	Global	204	PVDF	Chemical resistance	Protects parts and equipment from harsh environments
				631		Electrical resistivity	Enables use in electrical applications
				202		Autoclavable	Useful in sterile environments
Waterborne	1 coat	*Xylan*	Global	1424	Epoxy phenolic	Corrosion resistance	Enables use of lower cost substrates
						Good frictional properties	Reduces torque values
						Bright colors	Helps to easily identify components
		Xylan	Global	1425	Epoxy phenolic	High load capability and good frictional properties	Designed to help prevent galling and seizing of threaded or mated parts, or parts exposed to vibration under load
						Waterborne coating	Provides a low-VOC alternative to Xylan 1052
Solventborne	1 coat	*Xylan*	Global	4018	PES	Excellent adhesion	Works with various substrates
						Wide color range	Helps with product identification
						Good thermal resistance	Works well with fluoropolymer powder top coats

Performance							Substrates					VOCs with exempts		Cure*	In service	Application		
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Release	Load resistance	UV resistance	Surface pretreatment	Aluminum	Mild Steel	Aluminized Steel	Stainless	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Electrostatic spray
Better	★★	10	★	N/A	N/A	N/A	Light Gritblast	★	★★★	★	N/A	✓		255°C / 491°F	250°C / 482°F	✓		
Better	★★	10	★	N/A	N/A	N/A	Light Gritblast	★	★★★	★	N/A	✓		255°C / 491°F	250°C / 482°F		✓	
Good	★	10	N/A	N/A	N/A	N/A	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★	★★★	★★	★★		✓	240°C / 464°F	260°C / 500°F	✓		
Best	★★	25	★	N/A	★★★	★★★	Gritblast	★	★★★	★	★★★	✓		400°C / 752°F	245°C / 473°F	✓		
Best	★★★	100+	★	N/A	N/A	★★★	Light Gritblast, Multicoat System	★★★	★★★	★★★	★★★		✓	275°C / 527°F	150°C / 302°F	✓		
Best	★★★	20	★★★	★	★	★★	Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★	✓		205 - 215°C / 401 - 419°F	175°C / 347°F	✓	✓	
Best	★★	20	★★★	★	★★★	★★	Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★	✓		215°C / 419°F	175°C / 347°F	✓		
Better	★★	10 - 15	N/A	N/A	N/A	★★	Light Gritblast Multicoat System	★★★	★★★	★★★	★★		✓	204C° / 400°F	as topcoat	✓		

* Please refer to specific product data sheets for complete technical details.

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Energy and General Industrial (continued)

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Solventborne	1 coat	*Xylan*	Global	1010	PAI/PTFE	Good frictional properties	Reduces wear compared to uncoated parts
						Wide service temperature	Offers a broad range of use from cryogenic to elevated temperatures
		Xylan	Global	1014	PAI/PTFE	Good frictional properties	Provides improved wear resistance compared to uncoated parts
						Improved hardness	Offers improved wear resistance relative to Xylan 1010
		Xylan	EMEA	1015	EP/PTFE	Good frictional properties	Provides improved wear resistance compared to uncoated parts
						Improved hardness	Offers improved wear resistance relative to Xylan 1010
		Xylan	Global	1052	EP/PTFE	High load bearing capability	Desgiend to help prevent galling
		Xylan	Global	1070	PAI/PTFE	Good frictional properties	Reduces torque on fasteners during assembly
						Corrosion resistance	Enables easy removal of nuts and fasteners
		Xylan	EMEA	1270	Epoxy	Corrosion resistance	Improved protection against corrosion compared to Xylan 1070
		Xylan	Global	1514	Silicone Polyester	UV resistance	Enables use in outdoor conditions
						Easy clean	Easier to maintain compared to uncoated parts
						Bright colors	Helps to easily identify components
						Food contact (8514) version available	Useful in food contact applications
						High temperature resistance	Extends range of potential high-temp end uses compared to Xylan epoxies

Performance							Substrates					VOCs with exempts		Cure*	In service	Application		
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Release	Load resistance	UV resistance	Surface pretreatment	Aluminum	Mild Steel	Aluminized Steel	Stainless	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Electrostatic spray
Best	★	25	★★★	★	★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220 - 275°C / 428 - 528°F	260°C / 500°F	✓		
Better	★	25	★★	★	★★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220 - 275°C / 428 - 528°F	260°C / 500°F	✓		
Better	★	25	★★	★	★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	240°C / 464°F	260°C / 500°F	✓		
Best	★	25	★★★	★	★★★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	240°C / 464°F	260°C / 500°F	✓		
Best	★★	25	★★★	★	★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220 - 275°C / 428 - 528°F	260°C / 500°F	✓		
Good	★★	20	N/A	N/A	★	★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220°C / 428°F	175°C / 347°F	✓		
Best	★	25	★★	★	★	★★★	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	240 - 275C° / 464 - 527°F	250°C / 482°F	✓		

* Please refer to specific product data sheets for complete technical details.

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Energy and General Industrial (continued)

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Waterborne	1 coat or topcoat	*Xylan*	Global	1331	PPS	Chemical resistance	Protects equipment in high temperature and pressure environments
						Low CoF	Reduced torque when installing oil tools compared to Xylan 1311
						Non-stick properties	Enables bitumen release
		Xylan	Global	1311	PPS	Chemical resistance	Protects equipment in high temperature and pressure environments
						Low CoF	Reduces torque when installing oil tools
Solventborne	1-2 coats	*Xylan*	Global	1840	PES	Excellent release	Efficient cycling without an additional (temporary) release agent
						Chemical resistance	Compatible with a range of contact chemistries, including most acids, bases and solvent
						Heat resistance	Compatible with hot molding
Solventborne	2-3 coats	*Xylan*	Global	5230	Epoxy	Good corrosion resistance	Protects metal surfaces from harsh environments compared to uncoated parts
						Low CoF	Offers consistent Torque Values
						Has met EU end of life regulations	In compliance with EU automotive uses (Please ask about specific product codes)
		Xylan	EMEA	5164	Silicone polyester	Good corrosion resistance	Helps improve product life compared to uncoated parts
						Wide range of colors available	Helps to easily identify components
		Xylan	Americas + AP	5250	Epoxy phenolic	Compatible with corrosion resistant pre-treatment or with zinc flake primers	Offers improved chemical and corrosion resistance compared to uncoated parts
						Wide range of colors available	Helps to easily identify components
						Compatible with wax sealers	Offers improved insertion into hardwood compared to incompatible parts

Performance							Substrates					VOCs with exempts		Cure*	In service	Application		
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Release	Load resistance	UV resistance	Surface pretreatment	Aluminum	Mild Steel	Aluminized Steel	Stainless	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Electrostatic spray
Best	★★	25	★★★	★★	★	★★★	Gritblast	★	★★★	★	★★★	✓		400°C / 752°F	245°C / 473°F	✓		
Best	★★	25	★★	★	★	★★★	Gritblast	★	★★★	★	★★★	✓		400°C / 752°F	245°C / 473°F	✓		
Better	★★	>30	★★	★★★	★	★	Light Gritblast Multicoat System	★★★	★★★	★★★	★★		✓	400°C / 752°F	205°C / 401°F	✓		
Better	★★	3-5/ coat	★★	N/A	★	N/A	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220°C / 428°F	175°C / 347°F	✓	✓	
Good	★	3-5/ coat	★★	N/A	★	N/A	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	220°C / 428°F	232°C / 450°F	✓	✓	
Good	★	3-5/ coat	★	N/A	★	N/A	Light Gritblast or Zinc or zinc-nickel plating, Zinc or Manganese Phosphate, Zinc Flake	★★★	★★★	★★★	★★★		✓	205°C / 401°F	175°C / 347°F	✓	✓	

* Please refer to specific product data sheets for complete technical details.

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Energy and General Industrial (continued)

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Powder	Topcoat	*Xylan*	Global	80-510	PFA	Exceptional release properties	Provides excellent non-stick performance compared to uncoated parts
						Excellent thermal resistance	Enables use in very-high-temperature environments
						Suitable for manual or robotic application	Provides a high level of spray efficiency, allowing for the collection of overspray, compared to nearly all liquid topcoats
						Specifically formulated without VOCs	Saves cost associated with reduced requirement for environmental controls
		Xylan	Global	80-550	FEP	Exceptional release property	Provides excellent non-stick performance compared to uncoated parts
						Very good thermal resistance	Enables use in high-temperature environments
						Suitable for manual or robotic application	Provides a high level of spray efficiency, allowing for the collection of overspray, compared to nearly all liquid topcoats
						Specifically formulated without VOCs	Saves cost associated with reduced requirement for environmental controls

Performance							Substrates					VOCs with exempts		Cure*	In service	Application		
Quality	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Release	Load resistance	UV resistance	Surface pretreatment	Aluminum	Mild Steel	Aluminized Steel	Stainless	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin	Electrostatic spray
Best	★★★	25-75	★★★	★★★	N/A	★★★	As primer	As primer	As primer	As primer	As primer	✓		400°C / 752°F	260°C / 500°F			✓
Better	★★★	25-50	★★★	★★★	N/A	★★★	As primer	As primer	As primer	As primer	As primer	✓		400°C / 752°F	205°C / 401°F			✓

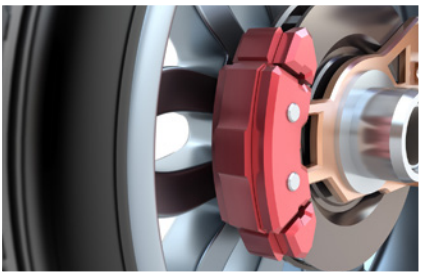
* Please refer to specific product data sheets for complete technical details.

High Temperatures

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Potential Benefits to Customer
Waterborne	Primer	*Xylar*	Global	2	Cer-met (Hexavalent Chrome)	Corrosion resistance	Coating enables lower-cost steel substrates to be used in place of stainless steel
Waterborne	1 coat	MATRIX®	Global	19-040 ABC	Sol-Gel	Excellent heat resistance and color stability	Provides reliable performance in severe thermal cycling and weathering conditions without losing color compared to uncoated parts
		Matrix	Global	19-010 ABC	Sol-Gel	Good corrosion and abrasion resistance	Helps protect substrate and lengthens product life compared to uncoated parts
						Good non-stick properties	Enables release at different temperatures
Waterborne	2 coats	*Matrix*	Global	80S-088 ABC Primer 80S-089 ABC Topcoat	Sol-Gel	Excellent heat resistance and color stability	Provides reliable performance in severe thermal cycling without losing color compared to uncoated parts
						Food contact compliant in specific markets	Can be used in food contact applications based on EU and USA food-contact regulations
		Matrix	Global	19-040 ABC Primer 19-010 ABC Top Coat	Sol-Gel	Excellent resistance to abrasion and fouling	Offers reliable performance in severe environments for cavitation resistance and fouling formation
						Chemical resistance	Works well in crude oil environments

Performance								Substrates					VOCs with exempts		Cure*	In service	Application	
Quality	Performance	Corrosion	Dry Film Thickness (microns)	Frictional Properties (CoF)	Release	Load resistance	UV resistance	Aluminum	Mild Steel	Aluminized Steel	Stainless	Others	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Maximum Operating Temperature	Conventional Spray / HVLP	Dip spin
Best	★★★	★★★	N/A	N/A	N/A	N/A	N/A	★	★★★	★	N/A		✓		345°C / 653°F	575°C / 1067°F	✓	
Better	★★★	★	25-40	★	★	★★★	★		★★★	★	★★★	Carbon fiber, nickel plated steel, titanium		✓	280 - 300°C 536 - 572°F	650°C / 500°F	✓	✓
Better	★★★	★	20-40	★★	★★	★★★	★		★★★	★	★★★			✓	280 - 300°C 536 - 572°F	250°C / 482°F	✓	✓
Better	★★★	★	40-50	★★	★★	★★★	★		★★★	★	★★★	Aluminized steel, enameled steel, nickel plated steel cast iron		✓	280 - 300°C 536 - 572°F	288°C / 550°F Continuous - 315°C / 599°F Intermittent	✓	✓
Better	★★★	★	50-80	★★	★★	★★★	★		★★★	★	★★★	Titanium		✓	350 - 380°C 662 - 716°F	250°C / 482°F	✓	✓

* Please refer to specific product data sheets for complete technical details.

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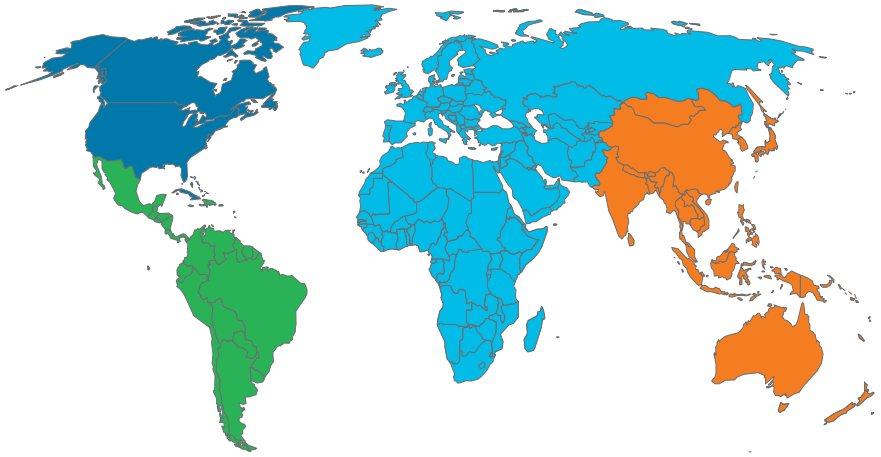

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