

# Nonstick Coatings for Kitchen Electrics



PTFE and Sol-Gel technology  
for kitchen electrics



We protect and beautify the world®



## **Kitchen electric coatings from PPG**

At PPG, our mission is to protect and beautify. For kitchen electrics, that means adding not just an eye-catching color, but the durability, safety and performance consumers expect.

Our innovations are suitable for a broad range of products and backed by more than 125 years of innovation and a commitment to quality, performance and sustainability that drives confidence in the kitchen.

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## Our coatings cover just about everything

From bread makers and rice cookers to waffle irons and air fryers, our comprehensive line of non-stick coatings can be used on nearly any kitchen electric or countertop appliance. They offer the unique combination of excellent non-stick performance and durability, available in both PTFE and Sol-Gel technology.

Coatings can be developed to meet specific color, texture and visual effects, all while remaining food-contact compliant.

## A global partner with a local presence

Feel confident choosing a partner in PPG who offers you the combination of global solutions and a local presence. All of our coatings have been formulated to meet the strict requirements you face today, with our teams keeping an eye toward the future.

### Unique Benefits

- Coatings are available in one-, two- or three-coat systems
- Select coatings include unique additives for added durability
- Coatings are available at a wide range of price points
- Select coatings offer specific performance characteristics, making them ideal for use on rice cookers, air fryers and indoor grilles
- All coatings are specifically formulated without PFOA

### Suggested markets

Consumer Kitchen electrics

### Suggested end uses

Kitchen electric coatings

### Application Technologies

Spray





## Applications for kitchen electrics

System	Coating Type	Product Name	Availability	Product Identifier	Chemistry	Features >	< Customer benefit
Waterborne	1 coat	XYLAN®	EMEA	8333 (metallic)	PTFE	One-coat system offering nonstick properties	Provides a cost-effective solution for entry-level products
		Xylan	AP	8350	PTFE	One-coat system offering nonstick properties	Provides a cost-effective solution for entry-level products
Solventborne	1 coat	Xylan	AP	8343 (metallic)	PTFE	One-coat system offering nonstick properties	Provides a cost-effective solution for entry-level products
Waterborne	1 or 2 coat	FUSION™	EMEA + AP	8088 Primer	Sol-gel (Ceramic coating)	Very hard durable nonstick	Offers improved wear resistance compared to entry-level PTFE coatings
				8089 Topcoat		PTFE non intentionally added	Provides an alternative to fluoropolymer technology
Solventborne	1 or 2 coat	XYLAC™	Global	4700	Silicon polyester	Temperature resistant exterior	Allows end-users to combine with a range of interior coatings to offer a complete system
						Wide range of colors and effects available	Suits a brand range of aesthetic preferences
						NMP non intentionally added	Offers an alternative for customers
Waterborne	2 coats	Xylan Plus	EMEA	8255 Primer	PTFE	Two-coat system with enhanced nonstick properties	Offers extended product life compared to one-coat systems
				8257 Topcoat			
Waterborne	2 coats	Xylan Plus	AP	8294 Primer	PTFE	Two-coat system with enhanced nonstick properties	Offers extended product life compared to one-coat systems
				8253 Topcoat			
Waterborne	2 or 3 coat	TETRAN™	EMEA + AP	701 Primer	PTFE	Higher permeation resistance compared to other PTFE coatings*	Ideal for specialized applications such as rice cookers
				702 Midcoat			
				703 Topcoat			
Waterborne	3 coat	QUANTUM™2	EMEA + AP	7131 Primer	PTFE	Internally reinforced coating	Improves abrasion resistance compared to standard PTFE coatings
				7232 Midcoat			
				7333 Topcoat			
		QUANTANIUM®	EMEA	7141 Primer	PTFE	Titanium reinforced PTFE coating	Creates a uniquely durable coating for longer product use compared to Quantum2 coatings
				7242 Midcoat			
				7343 Topcoat			

\*Passes more than 2,000 cycles of rice cooking. A cycle is equivalent to 1 hour in boiling alkali water.



Performance		Substrates						VOCs with exemptions		Cure	Application		Sub Segment	
Quality	DFT (µm)	Pressed Aluminum	Forged Aluminum	Cast Aluminum	Hard Anod. Aluminum	Carbon Steel	Aluminized Steel	≤ 420 g/L	≥ 421 g/L	Recommended Cure Profile	Conventional Spray	Electrostatic spray	Interior	Exterior
Good	18 - 25	✓	✓	✓	✓		✓		Various	✓		✓		
Good	18 - 25	✓	✓	✓	✓			✓	Various	✓	✓	✓		
Good	18 - 25	✓	✓	✓	✓	✓	✓		Various	✓		✓		
Good	35 - 45	✓	✓	✓	✓			✓	280-300°C 536-572°F	✓		✓		
Good	15 - 25	✓	✓	✓		✓	✓	✓	275°C 527°F	✓	✓		✓	
Better	18 - 25	✓	✓		✓		✓	✓	380-420°C 716-788°F	✓		✓		
Better	18 - 25	✓	✓	✓	✓		✓	✓	380-420°C 716-788°F	✓		✓		
Best	15 - 30	✓	✓		✓		✓	✓	400-430°C 752-806°F	✓		✓		
Best	25 - 35	✓	✓	✓	✓		✓	✓	380-420°C 716-788°F	✓		✓		
Best	30 - 40	✓	✓	✓	✓		✓	✓	380-420°C 716-788°F	✓		✓		





## PPG: WE PROTECT AND BEAUTIFY THE WORLD®



### A trusted global coatings leader

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 38% of annual sales from sustainably advantaged products and processes



### Dedication to innovation

3,500+ technical employees and \$463 MM average annual R&D investment



### Industrial coatings from PPG

- World-class technical services and training
- Help meeting specific, coatings-related environmental mandates
- Assistance setting up new equipment and identifying areas where your processes may be streamlined
- Troubleshooting production issues
- SECURE LAUNCH EXCELLENCE™ accelerated custom product formulation and color development process

To learn more about PPG coatings, please visit us online at [ppgindustrialcoatings.com](http://ppgindustrialcoatings.com), or contact one of the international sales offices listed below.

### PPG Regional Headquarters

■ PPG Global Headquarters / PPG North America  
Pittsburgh, PA USA  
1.888.774.2001  
ic-na@ppg.com

■ PPG Latin America  
Sumare, Sao Paolo, Brazil  
+ 55.19.3864.6000  
ic-latam@ppg.com

■ PPG Europe, Middle East and Africa  
Rolle, Switzerland  
+ 41.21.822.3000  
ic-emea@ppg.com

■ PPG Asia Pacific  
Hong Kong, China  
+ 852.2860.4500  
ic-ap@ppg.com

■ PPG China HQ  
Shanghai, China  
+86 21 60918500  
ic-cn@ppg.com

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PPG Industrial Coatings • One PPG Place, Pittsburgh, PA 15272 • 1.800.258.6398 • [ppgindustrialcoatings.com](http://ppgindustrialcoatings.com)



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