

# 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 Whitford nonstick coatings can be used on nearly any kitchen electric or countertop appliance. They offer the unique combination of excellent nonstick performance and durability, available in both PTFE and Sol-Gel technology that is made without PFAS substances.

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

- Made without PFAS coatings available
- 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
- PTFE coatings are specifically formulated without PFOA

### Suggested markets

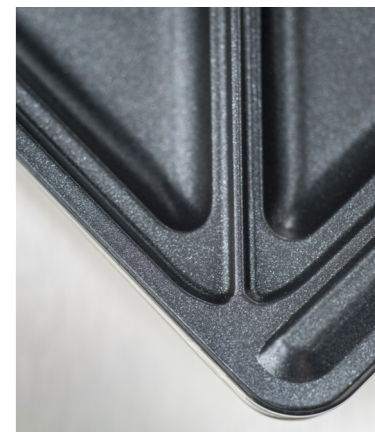
Consumer Kitchen Electrics

### Suggested end uses

Kitchen electric coatings

### Application Technologies

Spray



## Nonstick spray coatings for small electrics

		MADE WITHOUT PFAS*	
		QUANTUM® 2	FUSION™
Product Characteristics	Product Identifier	8686 / 8686S **	8088 / 8089
	Chemistry	Silicone polyester	Sol-Gel
	Category	Solventborne	Waterborne
	Coating system	2 coats	1 coat      2 coats
	Availability	APAC, EMEA	APAC, EMEA
	Continuous Use Temperature	230°C (446°F)	288°C (550°F)
	Maximum Use Temperature	260°C (500°F)	315°C (599°F)

Performance	Quality	Good	Better	Best
	DFT (µm)	20 - 30	20 - 30	32.5 - 42.5
	Reinforcements	Yes	No	Yes
	Abrasion Resistance	★ ★ ★	★ ★ ★	★ ★ ★ ★ ★
	Corrosion Resistance	★ ★	★ ★ ★	★ ★ ★ ★ ★
	Release / Nonstick	★ ★	★ ★	★ ★ ★
	Hardness	3 - 4H	9H	9H

Application	Recommended Cure Profile	288 °C (550 °F)	280-300°C / 536-572°F
	Spray Application	Conventional	Conventional
	VOCs with exempts	≤ 420 g/L	≥ 421 g/L

Substrates	Pressed Aluminum	✓	✓	✓
	Forged Aluminum	✓	✓	✓
	Cast Aluminum	✓	✓	✓
	Hard Anod. Aluminum	✓	✓	✓
	Carbon Steel	✓		
	Aluminized Steel	✓	✓	✓

Electric Product Types	Air fryers	●	●	■
	Bread makers			
	Deep fryers		●	■
	Egg boilers			
	Grills/pancake griddles			■
	Hair straighteners		●	■
	Indoor BBQs/raclettes			■
	Irons		●	■
	Milk pots/frothers	●		■
	Multi-cookers/slow cookers			■
	Oven/microwave cavities			▲
	Panini makers	●		■
	Pressure cookers			■
	Rice cookers			●
	Skillets/frypans/woks			■
	Waffle/sandwich makers	●		■
Water heaters				

\* Specially formulated without PFAS as an intentionally added ingredient

\*\* Select formulas are made without PFAS

Classic Waterborne and Solventborne Coatings						
XYLAN®		XYLAN® PLUS		TETTRAN®	QUANTUM® 2	QUANTANIUM®
8343 / 8810	8330 / 8350	8294 / 8253 (APAC)	8255 / 8257 (EMEA)	701/702/703	7131/7232/7333	7141/7242/7343
PPS+PTFE / PES+PTFE	PPS+PTFE	PTFE		PTFE	PTFE	PTFE
Solventborne	Waterborne	Waterborne		Waterborne	Waterborne	Waterborne
1 coat		2 coats		1, 2, or 3 coats	2 or 3 coats	3 coats
APAC, EMEA		APAC, EMEA		APAC, EMEA	APAC, EMEA	EMEA
230°C (446°F)		260°C (500° F)		260°C (500° F)	260°C (500° F)	260°C (500° F)
260°C (500°F)		315° C (599° F)		315° C (599° F)	315° C (599° F)	315° C (599° F)

Good	Good	Better	Best	Best	Best
17.5 - 22.5	17.5 - 22.5	20 - 30	15 - 45	20 - 45	30 - 45
No	No	Yes	Yes	Yes	Yes
★	★	★ ★	★ ★ / ★ ★ ★	★ ★ ★	★ ★ ★ ★
★	★	★ ★	★ ★ ★ ★	★ ★ ★	★ ★ ★ ★
★	★	★ ★ ★	★ ★ ★ ★	★ ★ ★ ★	★ ★ ★ ★
2 - 3 H	2 - 3 H	HB - H	HB - H	HB - H	H - 2H

380-400°C / 716-752° F	380-420°C / 716-788°F	400-430°C / 752-806°F	380-420°C / 716-788°F	400-420°C / 752-788°F
Conventional	Conventional	Conventional	Conventional	Conventional
≥ 421 g/L	≤ 420 g/L	≤ 420 g/L	≤ 420 g/L	≤ 420 g/L

✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓

●	●	■	■		▲	▲
●	●	■	■		▲	▲
●	●	■	■		▲	▲
●	●	■	■			
		●	●		▲	▲
●	●	■	■			
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●	●	■	■		▲	▲
●	●	■	■	▲	■	▲
		●	●		▲	▲
●	●	■	■		▲	▲
●	●					

● Opening price point

■ Moderate

▲ Gourmet



## PPG: WE PROTECT AND BEAUTIFY THE WORLD®



### A trusted global coatings leader

Operations in 70 countries, with 150+ manufacturing facilities and 70,000+ employees



### Renowned color expertise

Trend-setting palettes for home, auto and industry paired with unrivaled color matching



### Commitment to sustainability

Over 30% of annual sales from sustainably advantaged products and processes



### Dedication to innovation

3,500+ technical employees and \$470+ 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.

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