

# Non-stick coatings for a more colorful kitchen



## PTFE and Sol-Gel technology for consumer cookware



We protect and beautify the world®



## Consumer coatings from PPG

At PPG, our mission is to protect and beautify. For consumer cookware, that means adding not just an eye-catching color, but the durability and safety consumers come to expect from their cookware.

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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## Imagine the possibilities

Our comprehensive line of non-stick coatings are available in a range of options for consumer cookware applications. 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 two- or three-coat systems
- Select coatings include unique additives or reinforcements for added durability
- Many coatings are metal utensil- and/or dishwasher-safe
- Select coatings have been developed with unique properties including the ability to heat more evenly
- All coatings are specifically formulated without PFOA

### Suggested markets

Consumer Cookware

### Suggested end uses

Cookware coatings

### Application Technologies

Spray

Roller







## Non-stick coatings for consumer cookware

Coating Type	Product Name	Product Identifier	Availability	Features >	< Customer benefit	Coating system
PTFE	ETERNA™	71-050 Primer 73-353 Topcoat	Global	Our longest-lasting non-stick coating	Provides excellent release over the life of the coating	2 coat
	ECLIPSE™	7151 Primer 7252 Midcoat 7353 Topcoat	Global	High abrasion resistance	Offers great resistance to scratches, wear and damage	3 coat
	<i>Eclipse</i> HB	70-750 Primer 72-752 Midcoat 73-753 Topcoat	Global	High dry film thickness	Improves durability to withstand repeated scratch and wear versus standard <i>Eclipse</i> coating	3 coat
	QUANTANIUM®	7141 Primer 7242 Midcoat 7343 Topcoat	Global	High abrasion resistance and release	Offers improved performance compared to <i>Xylan</i> at a mid-range price point	3 coat
	XYLAN® Plus	8255 Primer 8257 Topcoat	EMEA	Low-cost coating available for use in a wide range of applications	Provides non-stick properties at a competitive application cost	2 coat
		8294 Primer 8253 Topcoat	APAC			
	SKANDIA™ Xtreme	7610 Primer 7620 Midcoat 7630 Topcoat	Global	Roller coating system with high release	Allows for added durability in post-formed, cost-driven cookware	1 Primer coat 1 Midcoat 3 Topcoats

Coating Type	Product Name	Product Identifier	Availability	Features >	< Customer benefit	Coating system
Sol-gel	FUSION™ Pro	80-288 Primer 80-289 Topcoat	Global	Made without any PFAS substances	Provides an alternative to fluoropolymer technology	2 coat
				Very hard, durable non-stick surface	PPG lab tested to last twice as long as comparable sol-gel coatings	
	<i>Fusion</i> HR	80-188 Primer 80-189 Topcoat	Global	Made without any PFAS substances	Provides an alternative to fluoropolymer technology	2 coat
				Very hard, durable non-stick surface	Provides great non-stick release	
	<i>Fusion</i>	8088 Primer 8089 Topcoat	Global	Very hard, durable non-stick	Offers improved wear resistance compared to entry-level PTFE coatings	2 coat
				Made without any PFAS substances	Provides an alternative to fluoropolymer technology	

Performance					Substrates					Cure	V.O.Cs g/l		Application		Sub Segments	
Quality	DFT (µm)	Wet Abrasion cycles	HFT / Scratch	Life cycle release	Rolled Aluminum	Forged Aluminum	Cast Aluminum	Hard Anod. Aluminum	Stainless Steel	Recommended Cure Profile	≤ 420 (low)	>421 (high)	Conventional Spray	Rollercoat	Interior	Exterior
Best	35-45	10,000 - 25,000	5-8	35,000 - 70,000*	✓	✓	✓	✓	✓	415°C / 779°F	✓		✓		✓	
Best	40-50	30,000 - 60,000	8-10	25,000 - 60,000*	✓	✓	✓	✓	✓	415°C / 779°F	✓		✓		✓	
Best	50-60	40,000 - 80,000	9-10	20,000 - 60,000*	✓	✓	✓	✓	✓	415°C / 779°F	✓		✓		✓	
Better	30-40	15,000 - 25,000	6-8	10,000 - 25,000*	✓	✓	✓	✓	✓	415°C / 779°F	✓		✓		✓	
Good	20-30	500 - 8,000	3-4	1,000 - 8,000*	✓	✓	✓	✓	✓	380-415°C / 716-779°F	✓		✓		✓	
Good	20-25	2,000 - 10,000	3-4	500 - 5,000*	✓				✓	400-425°C 752-797°F	✓			✓	✓	✓

\*Internal Test 165N.

Performance					Substrates					Cure	V.O.Cs g/l		Application		Sub Segments	
Quality	DFT	Wet Abrasion Testing	Accelerated Dishwashing Simulation Test**	Thermal Shock Test	Rolled Aluminum	Forged Aluminum	Cast Aluminum	Hard Anod. Aluminum	Stainless Steel	Recommended Cure Profile	≤ 420 (low)	>421 (high)	Conventional Spray	Rollercoat	Interior	Exterior
Best	30-55	50,000	>20 cycles	>15 cycles	✓	✓	✓	✓		280-300°C / 536-572°F		✓	✓		✓	
Better	30-55	10,000 - 30,000	>10 cycles	>10 cycles	✓	✓	✓	✓	✓	280-330°C / 536-626°F		✓	✓		✓	
Good	30-55	30,000 - 50,000	>4 cycles	>4 cycles	✓	✓	✓	✓	✓	280-330°C / 536-626°F		✓	✓		✓	

\*\*One accelerated dishwashing cycle represents approximately 50 standard dishwashing cycles.



## 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



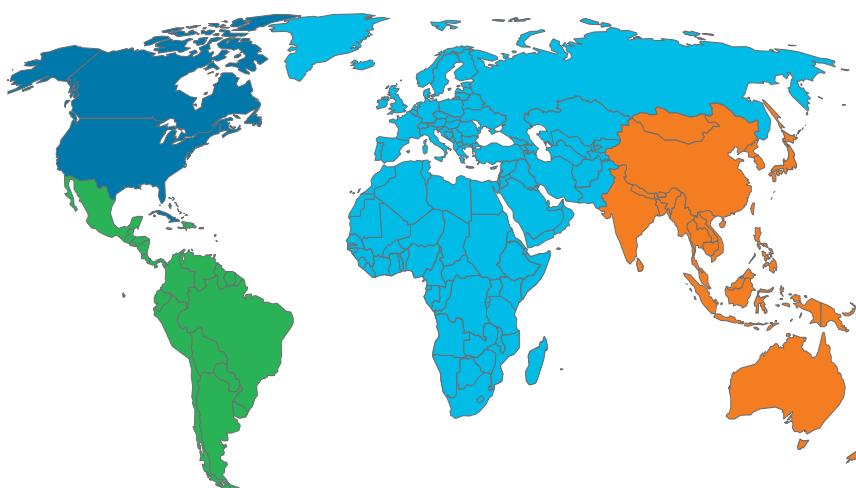
### Commitment to sustainability

Over 38% of annual sales from sustainably advantaged products and processes



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



### Industrial coatings from PPG

- World-class technical services and training
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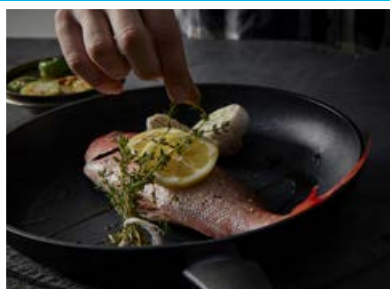
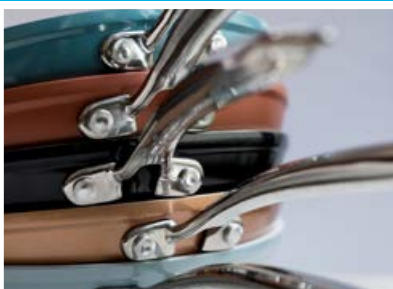
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