

Nonstick coatings **MADE WITHOUT PFAS**



**MADE
WITHOUT
PFAS**

Colorful and sustainable nonstick coatings
for kitchenware



We protect and beautify the world®

**MADE
WITHOUT
PFAS**

Cook with confidence. Cook with nonsticks made without PFAS.

At PPG, sustainability is not just a goal. It is a guiding principle shaping our innovations. Committed to our mission to protect and beautify the world, we proudly introduce our range of nonstick coatings that are made without PFAS. This range of nonstick coatings made for consumer cookware and bakeware reflects our dedication to crafting products that prioritize both performance and the environment.


Specially engineered for those who demand more from their kitchenware, PPG's nonstick coatings that are made without PFAS deliver excellent nonstick performance, easy cleaning and lasting durability. Backed by robust investments in R&D, PPG continually works to engineer sustainable coatings with improved nonstick performance.

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.




MADE WITHOUT PFAS* nonstick coatings for SPRAY application

 COOKWARE		FUSION™	Fusion HR	Fusion PRO
Product Characteristics	Chemistry	Sol-gel	Sol-gel	Sol-gel
	Coating System	2 coats	2 coats	2 coats
	Product Identifier	8088 Primer 8089 Topcoat	80-188 Primer 80-189 Topcoat	80-288 Primer 80-289 Topcoat
	Availability	Global	Global	Global
	Continuous Use Temperature	288° C / 550° F	288° C / 550° F	288° C / 550° F
	Features	Hard, durable nonstick surface	Great overall durability	Long-lasting, nonstick release
	Benefits	Offers improved wear resistance compared to entry-level PTFE coatings	Improved performance, thermal resistance and release vs. standard <i>Fusion</i> coatings	PPG lab tested to last twice as long as comparable sol-gel coatings
Performance	Quality	Good	Better	Best
	DFT (µm)	30-55	30-55	30-55
	Wet Abrasion Cycles	30,000 - 50,000	10,000 - 30,000	>50,000
	Accelerated Dishwashing Simulation Test **	>4 cycles	>10 cycles	>20 cycles
	Thermal Shock Test	>4 cycles	>10 cycles	>15 cycles
Substrates	Rolled Aluminum	✓	✓	✓
	Forged Aluminum	✓	✓	✓
	Cast Aluminum	✓	✓	✓
	Hard Anodized Aluminum	✓	✓	✓
	Stainless Steel	✓	✓	✓
Cure	Recommended Cure Profile	280-300°C / 536-572°F	280-300°C / 536-572°F	280-300°C / 536-572°F
V.O.Cs g/l	≤ 420 (low)			
	> 421 (high)	✓	✓	✓
Application	Conventional Spray	✓	✓	✓
	Roller			
Sub-Segments	Interior	✓	✓	✓
	Exterior			


* Specially formulated without PFAS as an intentionally added ingredient

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

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 BAKEWARE		XYLAN®	QUANTUM®	ECLIPSE®	ETERNA® PRO
Product Characteristics	Chemistry	Silicone polyester	Silicone polyester	Silicone polyester	Silicon-based
	Coating System	1 coat	1 coat	2 coats	2 coats
	Product Identifier	8620S	8678S	8688 Primer 8688S Topcoat	86-800 Primer 86-800S Topcoat
	Availability	Global	Global	Global	Global
	Continuous Use Temp.	210° C / 410° F	232° C / 450° F	232° C / 450° F	250° C / 482° F
	Features	One-coat system offering nonstick properties featuring ceramic reinforcement	Higher operating temperature compared to other silicone polyester coatings	Heavily reinforced system	Heavily reinforced system with excellent nonstick properties
	Benefits	Provides a cost-effective solution with nonstick properties for entry-level products with enhanced abrasion resistance	Allows coating to withstand intense baking demands	Offers increased durability compared to our nonstick coatings	Long-lasting nonstick finish with excellent release performance that is twice that of PPG Eclipse bakeware coating
Performance	Quality	Good	Better	Better	Best
	DFT (µm)	14 - 22	15 - 25	20 - 30	20 - 30
	Reinforcements	Lightly	Moderate	Heavily	Heavily
	Dry Abrasion Cycles	6,000 - 12,000	8,000 - 16,000	30,000 - 45,000	30,000 - 45,000
	Cake Release Test (Min - Max)	3-5	6-10	6-10	50 - 100
	BBQ Chicken Test (Min - Max)	3-5	6-10	6-10	15 - 25
	Steak Test (Min - Max)	2-4	5-8	5-8	10 - 20
Substrates	Aluminum	✓	✓	✓	✓
	Aluminized Steel	✓	✓	✓	✓
	Carbon Steel	✓	✓	✓	✓
Cure	Recommended Cure Profile	275°C / 727°F	288°C / 550°F	288°C / 550°F	280°C / 536°F
VOCs g/l	≤ 420 (low)				
	> 421 (high)	✓	✓	✓	✓
Application	Conventional Spray	✓	✓	✓	✓
	Electrostatic Spray	✓	✓	✓	✓
Sub-Segment	Interior	✓	✓	✓	✓
	Exterior	✓	✓	✓	✓

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 SMALL ELECTRICS		QUANTUM® 2	FUSION™	
Product Characteristics	Chemistry	Silicone polyester	Sol-Gel	
	Coating system	2 coats	1 coat	2 coats
	Product Identifier	8686 / 8686S **	8088 / 8089	
	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 exemptions	≤ 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				

● Opening price point ■ Moderate ▲ Gourmet



PPG: WE PROTECT AND BEAUTIFY THE WORLD®



A trusted global coatings leader

Operations in 70+ 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 39% of annual sales from sustainably advantaged products and processes



Dedication to innovation

3,500+ technical employees and \$440 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, or contact one of the international sales offices listed below.

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