

# Nonstick 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.

---

## Table of Contents

Introduction .....	2
Waterborne PTFE .....	3
Waterborne Sol-Gel.....	3





## 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





## Nonstick 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 nonstick 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 nonstick 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
Sol-gel	Fusion® HR	80-188 Primer 80-189 Topcoat	Global	Very hard, durable nonstick	Offers longer release and improved detergent and thermal resistance compared to <i>Fusion</i>	2 coat
				PTFE non intentionally added	Provides an alternative to fluoropolymer technology	
	<i>Fusion</i>	8088 Primer 8089 Topcoat	Global	Very hard, durable nonstick	Offers improved wear resistance compared to entry-level PTFE coatings	2 coat
				PTFE non intentionally added	Provides an alternative to fluoropolymer technology	

\*Internal Test 165N.

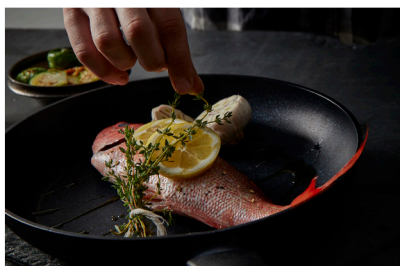
\*\*Thermal and chemical resistance average score.





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	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	✓			✓	✓	✓
Better	30-55	10,000 - 30,000	3-8	40**	✓	✓	✓	✓	280-330°C / 536-626°F		✓	✓		✓	
Good	30-55	30,000 - 50,000	3-8	20**	✓	✓	✓	✓	280-330°C / 536-626°F		✓	✓		✓	





## 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, kitchen, auto and industry paired with unrivaled color matching



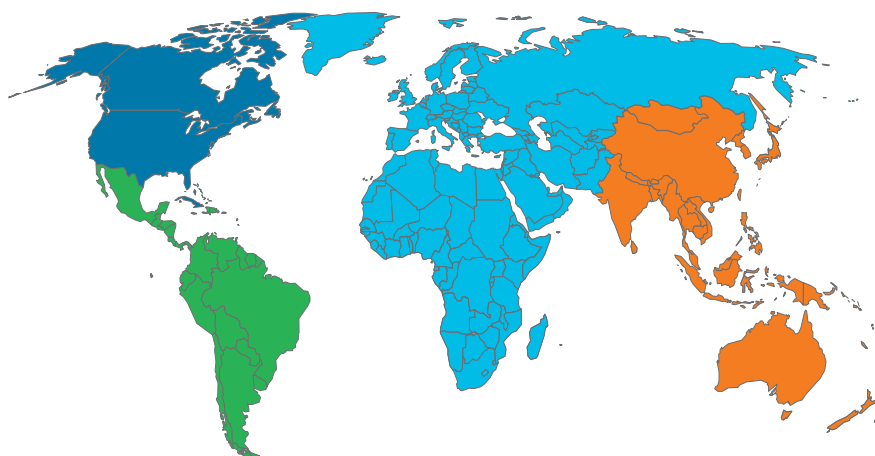
### Commitment to sustainability

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.

### PPG Regional Headquarters

■ PPG Global Headquarters / PPG North America  
Pittsburgh, PA USA  
1.888.774.2001  
[ic-na@ppg.com](mailto:ic-na@ppg.com)

■ PPG Latin America  
Sumare, Sao Paulo, Brazil  
+ 55.19.3864.6000  
[ic-latam@ppg.com](mailto:ic-latam@ppg.com)

■ PPG Europe, Middle East and Africa  
Rolle, Switzerland  
+ 41.21.822.3000  
[ic-emea@ppg.com](mailto:ic-emea@ppg.com)

■ PPG Asia Pacific  
Hong Kong, China  
+ 852.2860.4500  
[ic-ap@ppg.com](mailto:ic-ap@ppg.com)

■ PPG China HQ  
Shanghai, China  
+86 21 60918500  
[ic-cn@ppg.com](mailto:ic-cn@ppg.com)

This document contains general information only and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

Eterna, Eclipse, Eclipse HB, QuanTanium, Fusion, Fusion HR, Xyla Plus, Skandia Xtreme and the PPG logo are registered trademarks and We protect and beautify the world is a trademark of PPG Industries Ohio, Inc. ©2020 PPG Industries, Inc. All rights reserved. 07/21 IC1333

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



We protect and beautify the world™