



# PPG FLOORING™



**If it's concrete,  
protect it with PPG.**

- General Purpose
- Wear Resistance
- Chemical Resistance
- Electrostatic Protection
- Urethane Cement
- Mechanical Equipment Room
- MMA Coatings
- Waterborne Coatings





## High-performance flooring systems for a wide variety of environments.

From general purpose epoxy flooring to specialized systems for severe environments, count on PPG for the right protection and the right technical support for your application. Use this guide and speak with your PPG rep to design a system that's right for you.



HIGH DURABILITY



CHEMICAL RESISTANCE



ABRASION RESISTANCE



EXCELLENT GLOSS RETENTION



UV STABLE



ELECTROSTATIC DISSIPATIVE

## Selector Guide by Application/Environment

PPG FLOORING Systems	General Purpose	Wear Resistance	Chemical Resistance	Electrostatic Protection	Urethane Cement	Mechanical Equipment Room	Methyl Methacrylate (MMA)	Waterborne Coatings
Pages	2-3	4-5	6-9	10-11	12-13	14-15	16-17	18-19
Airplane Hangars		●	●					●
Automotive Fire Station Garages	●	●	●					●
Chemical Manufacturing Pharmaceutical			●	●	●		●	
Schools Retail Hospitals	●	●			●			●
Food and Beverage Manufacturing Commercial Kitchens			●		●			
Restaurants Breweries Wineries	●	●	●		●			
Warehouses Distribution Centers	●	●		●			●	●
Mechanical Rooms			●			●	●	
Data Centers Chip Manufacturing				●				
Theme Parks							●	

Flooring systems are available in a wide range of colors. Contact your PPG rep for more details.

All systems can be customized to achieve a variety of non-slip textures.



Get great-looking, cost-effective protection for a wide variety of everyday flooring environments with the **PPG FLOORING General Purpose System**. This durable and easy-to-clean epoxy solution provides moderate chemical and abrasion resistance with a high gloss for a professional look. See our wide range of solid colors and decorative options to add a unique touch.

**Typical Uses**

- Automotive / Fire Station / Garages
- Schools / Retail / Hospitals
- Restaurants / Breweries / Wineries
- Warehouses / Distribution Centers

**Advantages**

- Self-Leveling
- Seamless High Build Coating
- Chemical Resistant
- Economical
- Durable, Easy-to-Clean
- Abrasion Resistant



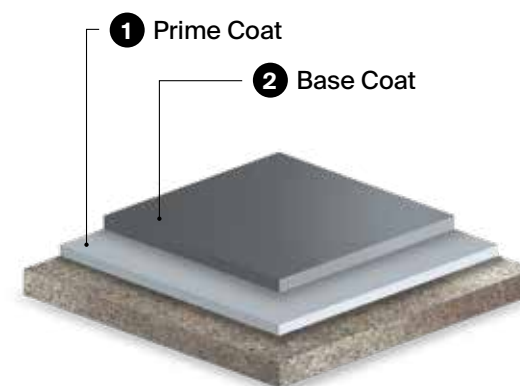
**Product recommendation.**

For floors with high moisture issues, use 2 coats of 912 Primer LV at 10 mils to prevent adhesion issues by controlling vapor emissions\*\* that come up through concrete. By also blocking moisture, this primer helps prevent coatings from separating.

\*Low VOCs are less than 50g/L

\*\*Helps block vapor transmissions up to 20 pounds per 1,000 square feet for 24 hours per ASTM F1869

The General Purpose System uses 912 LV Epoxy Primer to prepare the concrete substrate, then builds with a layer of 610 Self-Leveling Epoxy for a high-gloss finish that can support a variety of decorative color, flake, metallic and other finish options.



**1 Prime Coat**

**912 LV Epoxy Primer**  
Highly Penetrating Primer

This two-component, highly penetrating epoxy primer/sealer provides an excellent mechanical bond.

- Low Viscosity
- Low Odor
- Seals Concrete Surfaces, Helping to Eliminate Outgassing
- Bonds to Dry and Damp Concrete, Masonry, and Metal
- Roller, Squeegee, or Brush Application
- Prevents Adhesion Issues by Controlling Moisture Vapor Emissions (MVE) of up to 20 lb When Two Coats of 912 LV Are Applied at 10 mils Each



**Product recommendation.**

For metallic finish options, use 980 Clear Self-Leveling Epoxy to create a wide range of effects from spatter, waves, scatters, marbling, rain drops, and granite.

OR

**2 Base Coat**

**610 SL Self-Leveling Epoxy**  
100% Solids Epoxy High Gloss

This two-component epoxy coating is used primarily for protecting concrete surfaces in corrosive environments.

- Bisphenol A Epoxy
- Excellent Color Stability
- Excellent Chemical Resistance
- Excellent Resistance to Acids, Caustics, Detergents, and Other Corrosive Materials
- High Resilience to Thermal Shock and Mechanical Impact
- Excellent Adhesion to Dry and Damp Substrates
- Low Odor
- Compliant with USDA Incidental Food Contact Requirements
- Bonds to Dry and Damp Concrete, Metal, Tile, Terrazzo, and Existing Epoxy and Urethane Coatings
- Available in a Variety of Color Options

**2 Base Coat**

**980 Clear Epoxy**  
100% Solids Water Clear Epoxy

Moisture insensitive multipurpose epoxy floor coating for decorative and architectural applications.

- Clear, Low-Ambering Epoxy
- Available In Multiple Cure Rates
- Versatile, Can Be Used in Multiple Applications
- Excellent Abrasion and Impact Resistance
- Very Good Chemical Resistance
- Low Odor
- Moisture Insensitive During Application
- Primer, Mortar, or Self-Leveling Coating in Industrial and Commercial Applications
- Available in a Water Clear Finish

Please refer to Product Data Sheet for system options and preparation details.

**WARNING:** Certain colors of this product may contain chemicals known to the State of California to cause cancer and/or reproductive harm. - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



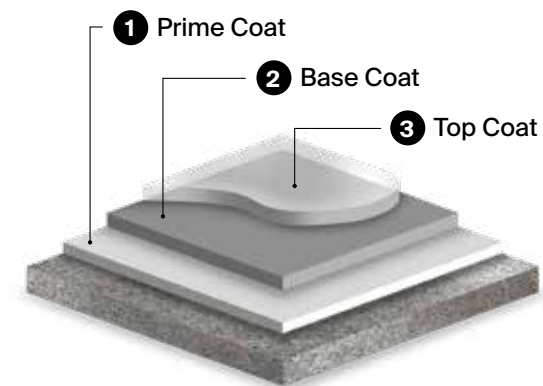
The **PPG FLOORING Wear Resistance System** combines Self-Leveling Epoxy Gloss with Wear Resistant Urethane to provide the impact and abrasion resistance necessary for high-traffic areas like manufacturing plants, automotive facilities, and warehouses. In these applications, the Wear Resistance System with urethane top coat typically lasts twice as long as the two-component General Purpose System.

**Typical Uses**

- Airplane Hangar Floors
- Automotive / Fire Station / Garages
- Schools / Retail / Hospitals
- Restaurants / Breweries / Wineries
- Warehouses / Distribution Centers

**Advantages**

- Extreme Durability
- Excellent Scratch Resistance
- Chemical and Stain Resistance
- UV Stable



**1 Prime Coat**

**912 LV Epoxy Primer**  
**Highly Penetrating Primer**

This two-component, highly penetrating epoxy primer/sealer provides an excellent mechanical bond.

- Low Viscosity
- Low Odor
- Seals Concrete Surfaces, Helping to Eliminate Outgassing
- Bonds to Dry and Damp Concrete, Masonry, and Metal
- Roller, Squeegee, or Brush Application
- Prevents Adhesion Issues by Controlling Moisture Vapor Emissions (MVE) of up to 20 lb When Two Coats of 912 LV Are Applied at 10 mils Each

**2 Base Coat**

**610 SL Self-Leveling Epoxy**  
**100% Solids Epoxy High Gloss**

This two-component epoxy coating is used primarily for protecting concrete surfaces in corrosive environments.

- Bisphenol A Epoxy
- Excellent Color Stability
- Excellent Chemical Resistance
- Excellent Resistance to Acids, Caustics, Detergents, and Other Corrosive Materials
- High Resilience to Thermal Shock and Mechanical Impact
- Excellent Adhesion to Dry and Damp Substrates
- Low Odor
- Compliant with USDA Incidental Food Contact Requirements
- Bonds to Dry and Damp Concrete, Metal, Tile, Terrazzo, and Existing Epoxy and Urethane Coatings
- Available in a Variety of Color Options

**3 Top Coat**

**2550 WB Urethane**  
**Waterborne Urethane**

Wear Resistant Urethane provides excellent abrasion and impact resistance.

- Waterborne
- Excellent UV Stability
- Available in a Flat and Gloss sheen
- Available in Clear and Color Options
- Weather Resistant
- Non-Skid Finish



For anti-slip capabilities, broadcast with 20 mesh silica sand or aluminum oxide.



Please refer to Product Data Sheet for system options and preparation details.

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PPG FLOORING's Chemical Resistance Systems offer varying levels of protection against the effects of a wide variety of oils, acids and chemicals. The epoxy-based system uses one of two Epoxy Siloxane top coats to build an impenetrable barrier against corrosive substances. This top coat is available in a gloss or satin finish, is easy to clean, and can be customized with a slip-resistant additive. For a step up in protection, we offer Novolac Epoxy as a top coat option, providing excellent resistance to thermal and mechanical shock.

**Typical Uses**

- Airplane Hangar Floors
- Automotive / Fire Station / Garages
- Restaurants / Breweries / Wineries
- Mechanical Rooms
- Chemical Manufacturing / Pharmaceutical
- Food and Beverage Manufacturing / Commercial Kitchens

**Advantages**

- Excellent Chemical Resistance
- UV Resistant
- Extremely Durable and Easy-to-Clean
- Excellent Gloss Retention
- Thermal and Mechanical Shock Resistance
- Excellent Adhesion
- Rapid Return-To-Service



**Epoxy or novolac? It depends.**

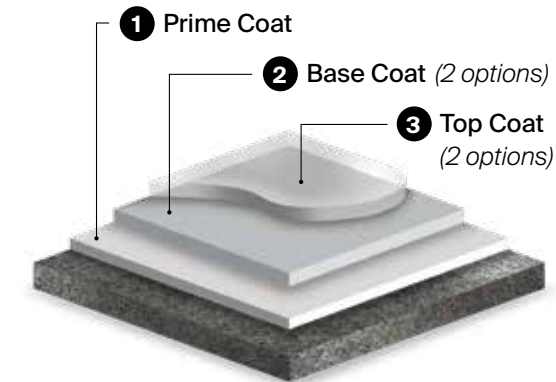
Chemical exposure can be as mild as cleaning products in a school hallway or as severe as a battery charging station in a factory subject to concentrated acid spills. For milder environments, epoxy siloxane systems are generally easier to apply, support more decorative options, and are lower in cost. Novolac systems, on the other hand, provide higher levels of protection against wear and harsh chemicals.

**1 Prime Coat**

**912 LV Epoxy Primer**  
**Highly Penetrating Primer**

This two-component, highly penetrating epoxy primer/sealer provides an excellent mechanical bond.

- Low Viscosity
- Low Odor
- Seals Concrete Surfaces, Helping to Eliminate Outgassing
- Bonds to Dry and Damp Concrete, Masonry, and Metal
- Roller, Squeegee, or Brush Application
- Prevents adhesion issues by controlling moisture vapor emissions (MVE) of up to 20 lb when two coats of 912 LV are applied at 10 mils each



**Base Coat and Top Coats (2 Options)**

**Epoxy**

**2 Base Coat**

**610 SL Self-Leveling Epoxy**  
**100% Solids Epoxy High Gloss**

This two-component epoxy coating is used primarily for protecting concrete surfaces in corrosive environments.

- Bisphenol A Epoxy
- Excellent Color Stability
- Excellent Chemical Resistance
- Excellent Resistance to Acids, Caustics, Detergents, and Other Corrosive Materials
- High Resilience to Thermal Shock and Mechanical Impact
- Excellent Adhesion to Dry and Damp Substrates
- Low Odor
- Compliant with USDA Incidental Food Contact Requirements
- Bonds to Dry and Damp Concrete, Metal, Tile, Terrazzo, and Existing Epoxy and Urethane Coatings
- Available in a Variety of Color Options

**3 Top Coat**

**650 Epoxy Siloxane Gloss or 450 Epoxy Siloxane Satin**  
**High Performance Epoxy Siloxane**

This two-component, high performance top coat is <100 g/L VOC and provides excellent abrasion and chemical resistance.

- High Solids, <100 g/L VOC
- Excellent Abrasion and Chemical Resistance
- Excellent Acid and Corrosion Resistance
- Excellent UV Stability
- Excellent Gloss and Color Retention from Long Term UV Exposure
- Weather Resistant

OR

**Novolac Epoxy**

**2 Base Coat**

**833 CR Grout Novolac Epoxy**  
**100% Solids Grout Trowel/Slurry**

These three-component novolac epoxy floor coatings have excellent resistance to acids, caustics, detergents, and other corrosive materials.

- Excellent Chemical Resistance
- Excellent Adhesion
- Easy to Apply
- Rapid Cure and Return-to-service
- Easy to Clean

**3 Top Coat**

**PPG NOVAGUARD® 5041**  
**100% Solids Novolac Epoxy**

This two-component, novolac epoxy coating has excellent resistance to thermal and mechanical shock.

- Easy to Clean
- Resistance to Concentrated Acids, Caustics and Some Solvents
- Spray, Brush, and Roller Application
- Anti-Slip Characteristics when Mixed with Quartz or Aluminum Oxide

Please refer to Product Data Sheet for system options and preparation details.

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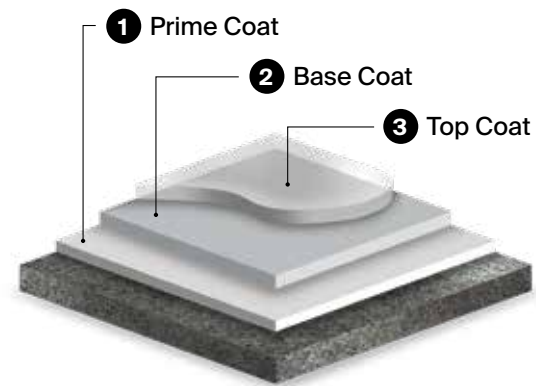
When compromise is not an option, the **PPG FLOORING Vinyl Ester System** delivers PPG's highest-performance chemical protection. We offer three families of Vinyl Ester solutions to meet various performance requirements: Vinyl Ester, Chlorendic Polyester, and Novolac Vinyl Ester. Consult with your PPG FLOORING system representative to determine which solution is right for your application.

**Typical Uses**

- Chemical Manufacturing / Pharmaceutical
- Food and Beverage Manufacturing / Commercial Kitchens

**Advantages**

- Excellent Chemical, Solvent, and Corrosion Resistance
- User-Friendly with Horizontal and Vertical Applications
- Extreme Durability and Abrasion Resistance
- High Film Build
- Rapid Return-To-Service



**1 Prime Coat**

**PPG NOVAGUARD® 1900 Sealer**  
High Performance Concrete Sealer

This one-component penetrating moisture cure concrete sealer is applied where high chemical resistance is needed.

- Easy to Apply, No Mixing Required
- Rapid Cure and Return-to-service
- Excellent Chemical Resistance
- Excellent Adhesion and Surface Tolerance

**2 Base Coat**

**PPG NOVAGUARD 6200 Grout Resurfacer**  
Multi-Layered Laminate Primer

This multi-layered, high build laminate flooring has a monolithic surface that is resistant to chemicals, thermal shock, and abrasion.

- Deep Penetrating Primer
- Excellent Adhesion
- Squeegee Applied - Applicator Friendly
- Rapid Cure with Foot Traffic in 2 Hours
- Excellent Durability and Abrasion Resistance
- Slip Resistance
- Easy to Clean
- Compliant with USDA Incidental Food Contact Requirements

**3 Top Coat**

**PPG NOVAGUARD 6850 Vinyl Ester**  
High Performance Vinyl Ester

This two-component, high build vinyl ester coating system is designed for surfaces subjected to immersion, spills, or fumes and adheres to both concrete and steel.

- High Film Build
- Excellent Adhesion
- Excellent Chemical Resistance
- Temperature Resistance
- Low Permeability
- Rapid Cure and Return-to-service
- Available in Gray and Red



Vinyl Ester products give exceptional protection against corrosive chemicals, especially acids. They are less powerful against chemicals at the other end of the pH scale. Ask us about systems that match your unique chemical exposure profile.



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PPG FLOORING offers both dissipative and conductive flooring coating systems for electrostatic protection in electronics manufacturing, chemical/pharmaceutical manufacturing, data centers, operating rooms, and other environments where electrostatic discharge is a hazard. The **Electrostatic Protection System** starts with Epoxy Primer, followed by the Electrostatic Dissipative or Conductive Grounding Plane and Top Coat.

**Typical Uses**

- Chemical Manufacturing / Pharmaceutical
- Warehouses / Distribution Centers
- Data Centers / Chip Manufacturing

**Advantages**

- Electrostatic Discharge Resistance
- Chemical Resistance
- Extreme Durability and Abrasion Resistance
- Excellent Adhesion
- User-Friendly Application

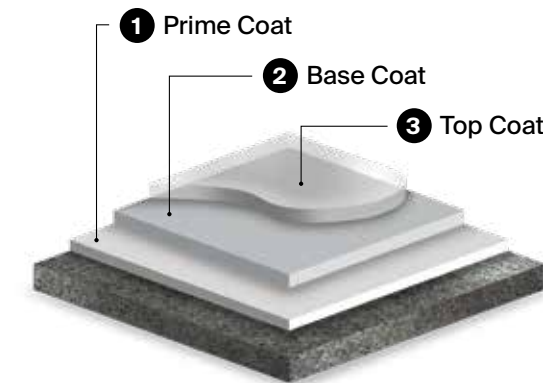


**1 Prime Coat**

**912 LV Epoxy Primer**  
Highly Penetrating Primer

This two-component, highly penetrating epoxy primer/sealer provides an excellent mechanical bond.

- Low Viscosity
- Low Odor
- Seals Concrete Surfaces, Helping to Eliminate Outgassing
- Bonds to Dry and Damp Concrete, Masonry, and Metal
- Roller, Squeegee, or Brush Application
- Prevents Adhesion Issues by Controlling Moisture Vapor Emissions (MVE) of up to 20 lb When Two Coats of 912 LV Are Applied at 10 mils Each



**2 Base Coat (2 Options)**

Our Electrostatic Protection System provides both dissipative and conductive options with solutions for environments that also need chemical and wear resistance.

**Electrostatic Dissipative 412 CS Grounding Plane**

This two-component, thick water-based epoxy is part of a three-step system to help control electrostatic discharge.

- Electrostatic Dissipative Floor Coating to Eliminate Build up of Static Charge
- Prepackaged, Easy to Use
- Excellent Adhesion
- Water-based
- Durable for Use in High Traffic Areas
- Static Dissipative  $1 \times 10^6$  to  $1 \times 10^9$  in Accordance with EOS/ESD Association 7.1 Standard
- Chemical Resistance

**OR** **Electrostatic Conductive 412 CS Grounding Plane**

This two-component, thick water-based epoxy is part of a three-step system to help control electrostatic discharge.

- Electrostatic Conductive Floor Coating for Drawing Charge Away
- Prepackaged, Easy to Use
- Excellent Adhesion
- Water-based
- Durable for Use in High Traffic Areas
- Conductive Range  $2.5 \times 10^4$  to  $1 \times 10^6$  NFPA 99, EOS/ESD 7.1 Standard
- Chemical Resistance

**3 Top Coat**

**412 CS Epoxy Top Coat**

This two-component, epoxy top coat is part of a three-step system to help control electrostatic discharge and provide excellent chemical resistance.

- Prepackaged, Easy to Use
- Excellent Adhesion
- Durable for Use in High Traffic Areas
- Static Dissipative  $1 \times 10^6$  to  $1 \times 10^9$  in Accordance with EOS/ESD Association 7.1 Standard
- Conductive Range  $2.5 \times 10^4$  to  $1 \times 10^6$  NFPA 99, EOS/ESD 7.1 Standard
- Chemical Resistance

**Top Coat Color Options**



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PPG FLOORING Urethane Cement delivers excellent chemical, impact, and abrasion resistance in a wide variety of demanding environments. It can be applied from 1/8" to 3/8" thickness in a variety of surface textures, colors, and gloss levels. Our Urethane Cement provides a non-absorbent surface that is easily cleaned and resists thermal shock to guard against occasional spills from -40 °F (-40 °C) to 250 °F (121 °C) This system has fast return-to-service, and slip resistance can be customized during application for the required level of safety.

**Typical Uses**

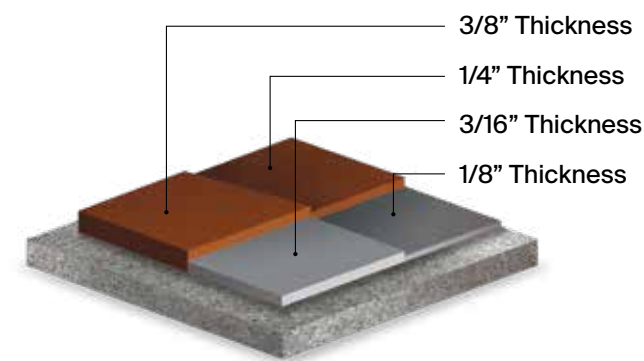
- Chemical Manufacturing / Pharmaceutical
- Schools / Retail / Hospitals
- Food and Beverage Manufacturing / Commercial Kitchens
- Restaurants / Breweries / Wineries

**Advantages**

- Thermal Shock Resistance
- Wide Service Temperature, -40 °F (-40 °C) to 250 °F (121 °C)
- Hot Cooking Oil and Steam Resistance
- Excellent Chemical and Abrasion Resistance
- Can Be Applied to New Concrete
- Impact Resistant
- Excellent Moisture Resistance
- VOC Compliant Nationwide
- Easy to Maintain



PPG FLOORING Urethane Cement can also serve as a primer or base coat for a wide range of top coat options. Epoxy, Urethane, Novolac and Polyaspartic top coat options add decorative, chemical, and wear resistant characteristics as needed. Consult with your PPG rep to build a Urethane Cement System that works for your environment.

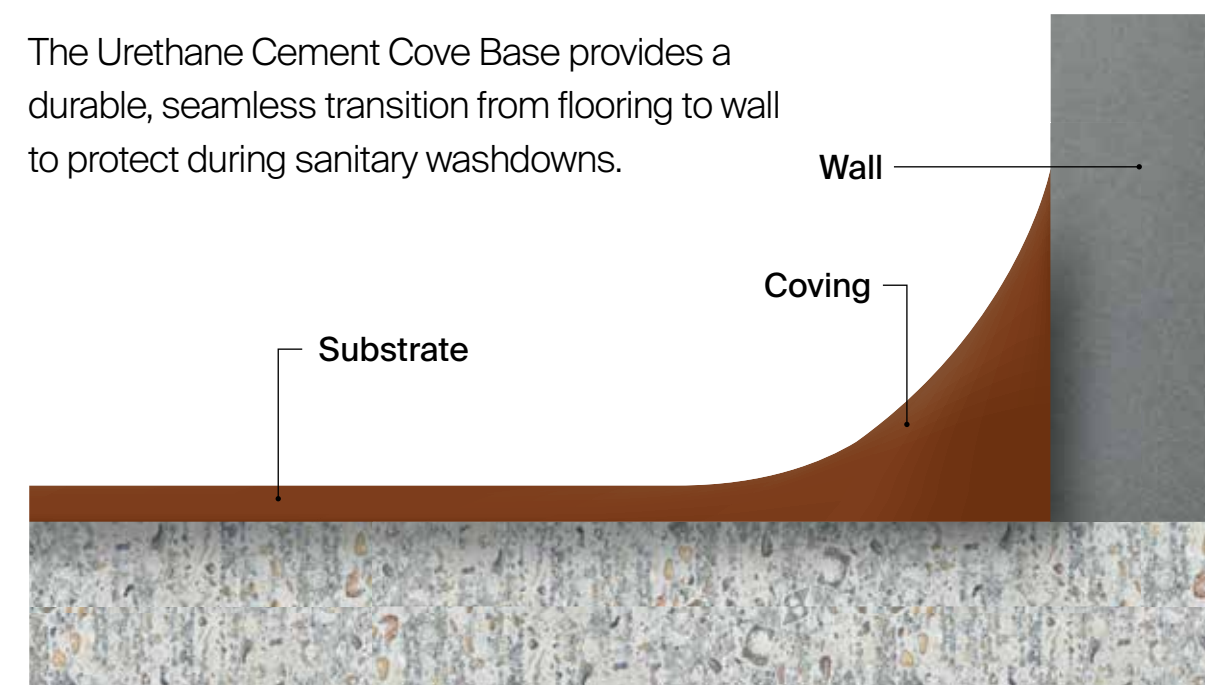


**700 Urethane Cement  
100% Solids Urethane Cement**

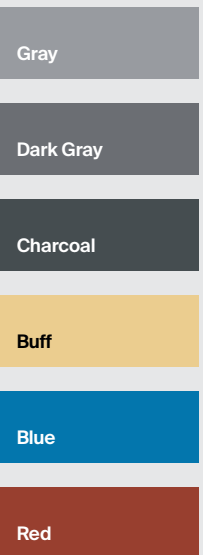
From self-leveling to slurry and trowel applied high build levels, use Urethane Cement in areas where the highest impact and durability are required.

- 100% Solids, Low VOC (<5 g/L) Cementitious Urethane
- Self-Leveling and High Build Capabilities between 1/8" and 3/8"
- Thermal Shock and Impact Resistant
- Excellent Abrasion, Chemical, and Moisture Resistance
- Available in Gray and Red Colors
- Available with Coving to Connect Floors and Walls Seamlessly

The Urethane Cement Cove Base provides a durable, seamless transition from flooring to wall to protect during sanitary washdowns.



**Colors Available**



The extreme demands of food and beverage processing environments make urethane cement an ideal option as standalone protection or the basis of a system. F&B operations demand fast return-to-service along with high resistance to abrasion, moisture, and thermal shock – made to order for the strength and flexibility of Urethane Cement.

Please refer to Product Data Sheet for system options and preparation details.

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Protecting the flooring of Mechanical Equipment Rooms (MER) presents a unique set of challenges, with hazards including moisture, temperature, chemicals, and vibration. An effective coating system should deliver waterproofing that must not fail under these conditions. The **PPG FLOORING MER System** begins with Epoxy Primer, then builds with Epoxy Waterproofing Membrane and two-component Epoxy Top Coat to meet MER needs.

**Typical Uses**

- Mechanical Equipment Rooms

**Advantages**

- Waterproofing Membrane System with Moisture Resistance
- Excellent Chemical Resistance
- Abrasion and Impact Resistance
- Thermal and Mechanical Shock Resistance
- Excellent Gloss and Color Retention
- Compliant with USDA Incidental Food Contact Requirements

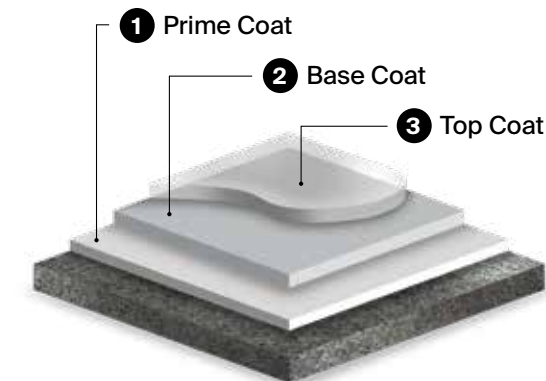


**1 Prime Coat**

**912 LV Epoxy Primer**  
**Highly Penetrating Primer**

This two-component, highly penetrating epoxy primer/sealer provides an excellent mechanical bond.

- Low Viscosity
- Low Odor
- Seals Concrete Surfaces, Helping to Eliminate Outgassing
- Bonds to Dry and Damp Concrete, Masonry, and Metal
- Roller, Squeegee, or Brush Application
- Prevents Adhesion Issues by Controlling Moisture Vapor Emissions (MVE) of up to 20 lb When Two Coats of 912 LV Are Applied at 10 mils Each



**2 Base Coat**

**618 Epoxy Waterproofing Membrane**  
**Elastomeric Epoxy**

This two-component, multipurpose elastomeric epoxy creates a waterproofing membrane to protect environments from moisture.

- Good Chemical Resistance
- Excellent Abrasion and Impact Resistance
- Good Color Retention
- High Crack Resistance
- High-Strength Joint Filler
- Can Be Applied with a Smooth, High Gloss Finish as a Membrane Coating or Can Be Mixed with Aggregates for Slip Resistance



**3 Top Coat**

**NOVAGUARD® 5031**  
**100% Solids Epoxy High Gloss**

This two-component epoxy coating is used primarily for protecting concrete surfaces in corrosive environments.

- Bisphenol A Epoxy
- Excellent Color Stability
- Excellent Chemical Resistance
- Excellent Resistance to Acids, Caustics, Detergents, and Other Corrosive Materials
- High Resilience to Thermal Shock and Mechanical Impact
- Excellent Adhesion to Dry and Damp Substrates
- Low Odor
- Compliant with USDA Incidental Food Contact Requirements
- Bonds to Dry and Damp Concrete, Metal, Tile, Terrazzo, and Existing Epoxy and Urethane Coat



While every mechanical room has its own unique challenges, they all share one thing in common: waterproofing is a top priority because more often than not, these rooms are in the upper floors of a building and a leak could endanger sensitive rooms below them.

Please refer to Product Data Sheet for system options and preparation details.

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In restaurants, agricultural facilities, theme parks and other environments where ultra-fast cure with reliable protection is essential, the **PPG FLOORING MMA System** delivers overnight results. This highly moisture-tolerant, Low VOC system provides tenacious bonding in hours. Its rapid cure is temperature independent, making it an option in applications like freezers and cold storage facilities.

**Typical Uses**

- Theme Parks
- Chemical Manufacturing / Pharmaceutical
- Warehouses / Distribution Centers
- Mechanical Equipment Rooms

**Advantages**

- Excellent Chemical and Water Resistance
- Extreme Durability in High Water Exposure Environments
- Wide Service Temperature – Even Below Freezing
- High Wear Resistance
- Rapid Return-To-Service
- VOC Compliance – Meets USGBC LEED Requirements



**1 Prime Coat**

**920 MMA Primer**  
Low Viscosity Acrylic Resin Primer

This non-pigmented, solvent-free acrylic resin provides a base for concrete applications with good adhesion and a rapid cure.

- Rapid Cure and Return-to-service
- Good Wetting Properties for Excellent Bond to Concrete
- Curing at Lower Temperatures – Even Below Freezing
- Water and Chemical Resistance
- Low VOC (50 g/L)
- Meets USGBC LEED Requirements
- Full Strength in Less than 1 Hour

**2 Base Coat**

**431 MMA Binder**  
100% Reactive Curing Acrylic Resin Binder

This acrylic resin binder coat can be used for self-leveling, broadcasted, and troweled mortar systems with high wear and chemical resistance.

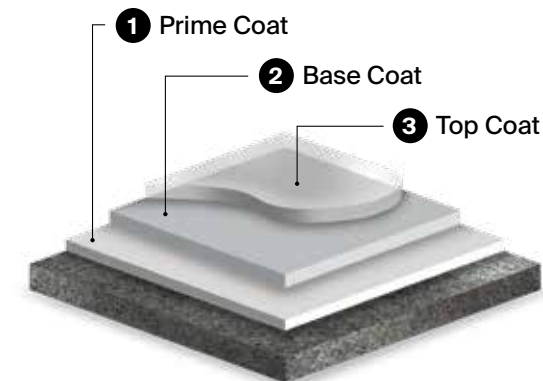
- Rapid Cure and Recoat
- Good Flow and Leveling Characteristics
- Fast Curing at Lower Temperatures – Even Below Freezing
- UV Resistance
- Water and Chemical Resistance
- Low VOC (<100 g/L)
- Meets USGBC LEED Requirements

**3 Top Coat**

**682 MMA Sealer**  
Low Viscosity Acrylic Resin Sealer

This fast-setting acrylic resin is suitable as a top coat sealer for non-slip quartz aggregate and color flake coating systems, especially for areas with high exposure to water.

- Rapid Cure and Recoat
- Water and Chemical Resistance
- High Wear Resistance
- Good Wetting Properties for Excellent Bond to Concrete
- Low VOC (<100 g/L)
- Meets USGBC LEED Requirements
- Full Strength in Less than 1 Hour
- Wide Temperature Range – Even Below Freezing



While MMA has always been an excellent solution in outdoor applications that need fast return-to-service, its use was traditionally limited to outdoor environments due to VOC content. Today, new, lower VOC formulas have opened many new environments to this durable, fast-curing coating.

Please refer to Product Data Sheet for system options and preparation details.

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PPG FLOORING Waterborne Coatings meet the performance standards (including chemical, abrasion and impact resistance) of traditional heavy-duty industrial epoxy floor coating systems, but in a breathable product that allows moisture pass through without causing damage. Extremely low odor, these products can be installed during work hours, over damp or porous concrete. Our waterborne systems are highly resistant to hydrostatic delamination and, when installed correctly, virtually eliminate pinholes caused by concrete gassing.

**Typical Uses**

- Airplane Hangar Floors
- Automotive / Fire Station / Garages
- Warehouses / Distribution Centers
- Schools / Retail / Hospitals
- Basement / Recreation Rooms

**Advantages**

- Breathable
- Excellent Chemical, Abrasion & Impact Resistance
- High Wear Resistance
- Rapid Return-To-Service
- Low Odor



\*Low VOCs are less than 50g/L



**1 Prime Coat**

**2445 Breathable Primer**  
Two-Component, Breathable, Water-based Epoxy Primer

- Rapid Cure Times
- Short Recoat Times
- Good Low Temperature Curing
- Low VOC (<50 g/L)
- Virtually Odorless
- Exceptional Bond to Concrete
- Excellent Chemical, Abrasion & Impact Resistance
- Brightens Work Areas
- Receiving Coat for Acrylic Flake Floor System
- Coating System in Areas with Moisture Vapor Transmission up to 4 lbs./1000 ft<sup>2</sup>/24 hrs.
- Concrete Sealer for Warehouses
- Designed for Use as a Fast Curing Primer Under Epoxy, Acrylic, Polyurethane and Polyurea Materials
- Can Be Used as a Stand-Alone Floor Coating System

**2 Base Coat**

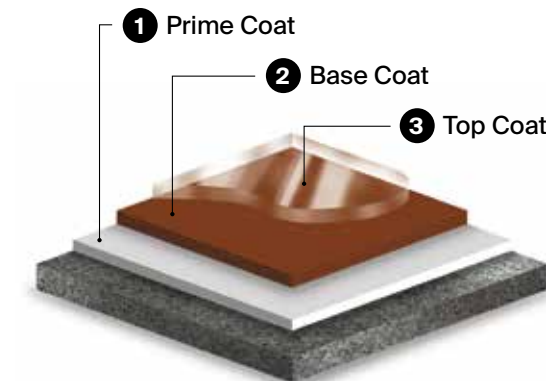
**2640 Breathable Floor Coating**  
Breathable, Low VOC, Pigmented Epoxy Coating

- Heavy Duty Epoxy but Waterborne & NO LATEX
- May Be Used Below Grade
- Virtually Odorless
- Exceptional Bond to Concrete
- Breathable
- Excellent Chemical, Abrasion & Impact Resistance
- Brightens Work Areas

**3 Top Coat**

**2550 Waterborne Urethane Coating**  
Two-Component, Waterborne Aliphatic Urethane Coating

- Low VOC (<25 g/L)
- Low Odor
- Breathable
- Easy Spray or Roll on Application
- Good Abrasion and Impact Resistance
- Fully Resistant to All Common Automotive and Aviation Fluids, Salt, and Chemical Deicers
- Suitable for Floors and Vertical Surfaces
- Industrial and Commercial Warehouses
- Basements, Recreation Rooms
- Clear Finish for Decorative Color Chip Floor Systems
- Finish Coat for PPG Flooring 2640 Breathable Floor Coating (fka Milamar PM400 Breathable Floor Coating)



Waterborne systems provide the same great protection as epoxies while eliminating concerns about coating damage due to moisture flowing through the slab and coating. It's an ideal solution for areas where a moisture blocking primer cannot be used.

Please refer to Product Data Sheet for system options and preparation details.  
 ⚠️ **WARNING:** Certain colors of this product may contain chemicals known to the State of California to cause cancer and/or reproductive harm. - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



PPG FLOORING offers a wide range of top coat options such as Epoxy, Urethane, Novolac and Polyaspartic to add decorative, chemical, and wear resistant characteristics as needed for your project. Consult with your PPG rep to find a top coat option that works for your environment.

### 610 SL Self-Leveling Epoxy 100% Solids Epoxy High Gloss

This two-component epoxy coating is used primarily for protecting concrete surfaces in corrosive environments.

- Bisphenol A Epoxy
- Excellent Color Stability
- Excellent Chemical Resistance
- Excellent Resistance to Acids, Caustics, Detergents, and Other Corrosive Materials
- High Resilience to Thermal Shock and Mechanical Impact
- Excellent Adhesion to Dry and Damp Substrates
- Low Odor
- Compliant with USDA Incidental Food Contact Requirements
- Bonds to Dry and Damp Concrete, Metal, Tile, Terrazzo, and Existing Epoxy and Urethane Coatings
- Available in a Variety of Color Options

### 980 Clear Epoxy 100% Solids Water Clear Epoxy

Moisture insensitive multipurpose epoxy floor coating for decorative and architectural applications.

- Clear, Low-Ambering Epoxy
- Available In Multiple Cure Rates
- Versatile, Can Be Used in Multiple Applications
- Excellent Abrasion and Impact Resistance
- Very Good Chemical Resistance
- Low Odor
- Moisture Insensitive During Application
- Primer, Mortar, or Self-Leveling Coating in Industrial and Commercial Applications

### PPG NOVAGUARD® 5041 100% Solids Novolac Epoxy

This two-component, novolac epoxy coating has excellent resistance to thermal and mechanical shock.

- Easy to Clean
- Resistance to Concentrated Acids, Caustics and Some Solvents
- Spray, Brush, and Roller Application
- Anti-Slip Characteristics when Mixed with Quartz or Aluminum Oxide

### 650 Epoxy Siloxane Gloss or 450 Epoxy Siloxane Satin High Performance Epoxy Siloxane

This two-component, high performance top coat is <100 g/L VOC and provides excellent abrasion and chemical resistance.

- High Solids, <100 g/L VOC
- Excellent Abrasion and Chemical Resistance
- Excellent Acid and Corrosion Resistance
- Excellent UV Stability
- Excellent Gloss and Color Retention from Long Term UV Exposure
- Weather Resistant

### 670 Polyaspartic 100% (+/-2%) Solids Polyaspartic Coating

Two-component, highly abrasion-resistant, aliphatic polyurea coating for industrial applications.

- High Solids
- Excellent Abrasion Resistance
- Can Be Applied to Concrete, Steel, Wood and Plastic Substrates
- Color Stable and Excellent UV Weathering Resistance
- Can Be Applied and Cures at Temperatures Down to -20°F (-29°C)
- Interior or Exterior Usage
- May Be Topcoated on Polyurea, Polyurethane or Epoxy
- Suitable for OEM with Smooth Leveling and High Gloss
- Flake and Quartz Broadcast Systems

### 688 Polyaspartic 80% Solids Polyaspartic Coating

This polyaspartic coating provides outstanding durability and chemical resistance and quick return-to-service for interior or exterior applications.

- Low VOC (<50 g/L)
- Low Odor
- Excellent Adhesion
- Excellent Abrasion and Scratch Resistance
- Excellent Flexibility and Impact Resistance
- Easy to Clean
- High Gloss Finish

### 2550 WB Urethane Waterborne Urethane

Wear Resistant Urethane provides excellent abrasion and impact resistance.

- Waterborne
- Excellent UV Stability
- Available in a Flat and Gloss sheen
- Weather Resistant
- Non-Skid Finish

Please refer to Product Data Sheet for system options and preparation details.

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## PPG JOINT FILL™ Solutions

**Self-Leveling Joint Fillers and Sealants.** Our rapid-set polyurea fillers are specifically formulated for concrete protection. They expand and contract with the joint during thermal cycling, allow movement, provide a barrier against water and debris, and absorb hard-wheeled traffic impact.

### Self-Leveling Joint Sealants

These sealants offer a tenacious bond combined with excellent flexibility for sealing expansion and isolation joints.

<b>SL45</b>	Filling around machine pads creating vibration in slabs
<b>SL60</b>	Standard exterior joint sealant

### Self-Leveling Joint Fillers

Designed primarily for control joints, these fillers prevent edges from chipping and spalling.

<b>SL75</b>	Heavy duty for forklift or wheeled cart traffic Ideal for Thermal Shock in Food Plants
<b>SL85</b>	Heavy duty for forklift or wheeled cart traffic Ideal for Concrete Polishing
<b>SL90</b>	Super Duty semi rigid for heavy traffic



### PPG NOVAGUARD® 5090 Filler

This easy-to-use three-component epoxy repair coating can be used to fill cracks in horizontal or vertical concrete.

- 100% Solids, Low VOC (<11 g/L)
- Low Odor
- Can Be Applied Thicker for Horizontal Surfaces
- Can Be Used for Shallow Vertical Repair
- Gray Color



## PPG QUICK MENDER™ X.O. Concrete Repair

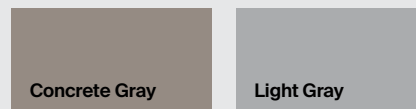
### PPG QUICK MENDER X.O. Repair Polymer

This two-component, high performance urethane-based product is specially designed to repair or patch horizontal concrete surfaces.

- Low Odor
- Low Viscosity for Excellent Penetration and Absorption
- Dry Temperature Resistance from -40 °F (-40 °C) to 250 °F (121 °C)
- Rapid Cure and Return-to-service
- Can Be Mixed with Dry Industrial Quartz, Polishing Dust, Portland Cement, Silica Flour, Fumed Silica, or Cabosil to Form Durable Polymer Concrete



#### Colors Available



Get the tools you need for the job directly from the source. Use the Protective & Marine Coatings Sundries catalog to order application tools, safety gear and other useful items.



Please refer to Product Data Sheet for system options and preparation details.

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PPG FLOORING Systems are based on prime coats, base coats, top coats and decorative products that are tested for performance and durability. Use this table as a quick overview of which components and options can provide the system you need for your environment.

System	Prime Coat	Base Coat	Top Coat
<b>General Purpose</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>610 SL Self-Leveling Epoxy</b> 100% Solids Epoxy High Gloss	<b>980 Clear Epoxy</b> 100% Solids Epoxy High Gloss
<b>Wear Resistance</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>610 SL Self-Leveling Epoxy</b> 100% Solids Epoxy High Gloss	<b>2550 WB Urethane</b> Waterborne Urethane
<b>Chemical Resistance Epoxy</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>610 SL Self-Leveling Epoxy</b> 100% Solids Epoxy High Gloss	<b>650 Epoxy Siloxane Gloss or 450 Epoxy Siloxane Satin</b> High Performance Epoxy Siloxane
<b>Chemical Resistance Novolac Epoxy</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>833 CR Grout Novolac Epoxy</b> 100% Solids Grout Trowel/Slurry	<b>PPG NOVAGUARD 5041</b> 100% Solids Novolac Epoxy
<b>Chemical Resistance Vinyl Ester</b>	<b>PPG NOVAGUARD® 1900 Sealer</b> High Performance Concrete Sealer	<b>PPG NOVAGUARD 6200 Grout Resurfacer</b> Multi-Layered Laminate Primer	<b>PPG NOVAGUARD 6850 Vinyl Ester</b> High Performance Vinyl Ester
<b>Electrostatic Resistant Epoxy</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>Electrostatic Dissipative or Conductive 412 CS Grounding Plane</b>	<b>412 TC ESD Epoxy</b> Electrostatic Dissipative or Conductive Epoxy Top Coat
<b>Urethane Cement</b>	<b>700 Urethane Cement</b>	100% Solids Self-Leveling and High Build Urethane Cements	<b>610 SL Self-Leveling Epoxy</b> 100% Solids Epoxy High Gloss
			<b>2550 WB Urethane</b> Waterborne Urethane
			<b>688 Polyaspartic</b> 80% Solids Polyaspartic Coating
			<b>PPG NOVAGUARD 5041</b> 100% Solids Novolac Epoxy
<b>Mechanical Equipment Room (MER)</b>	<b>912 LV Epoxy Primer</b> Highly Penetrating Primer	<b>618 Epoxy Waterproofing Membrane</b> Elastomeric Epoxy	<b>NOVAGUARD 5031</b> 100% Solids Epoxy High Gloss
<b>Methyl Methacrylate (MMA)</b>	<b>920 MMA Primer</b> Low Viscosity Acrylic Resin Primer	<b>431 MMA Binder Resin</b> 100% Reactive Curing Acrylic Resin Binder	<b>682 MMA Sealer</b> Low Viscosity Acrylic Resin Sealer
<b>Waterborne Coatings</b>	<b>2445 Breathable Primer</b> Two-Component, Breathable, Water-based Epoxy Primer	<b>2640 Breathable Floor Coating</b> Breathable, Low VOC, Pigmented Epoxy Coating	<b>2550 Waterborne Urethane Coating</b> Two-Component, Waterborne Aliphatic Urethane Coating

Please refer to Product Data Sheet for system options and preparation details.

All systems can be customized to achieve a variety of non-slip textures.

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General Purpose



Wear Resistance



Chemical Resistance



Electrostatic Protection



Urethane Cement



Mechanical Equipment Room



Methyl Methacrylate (MMA)



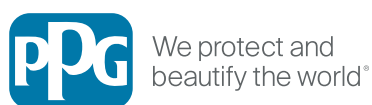
Waterborne Coatings



Joint Fill Solutions

## We are PPG

- We protect and beautify the world by developing and delivering paints, coatings and materials that our customers have trusted for more than 140 years.
- We operate and innovate in more than 70 countries.
- We are widely recognized as a leading name in protective and marine coatings.
- Continuous development ensures that we provide optimal solutions for asset owners, contractors, fabricators and applicators across the globe.



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