

# PPG Solutions for the Food and Beverage Industry

Protection in every direction





# Protection in every direction

Overhead, underfoot and all the way around, food and beverage plant surfaces are under constant attack. It's your job to defend them against troublesome materials and aggressive conditions while maintaining safety, cleanliness and compliance.

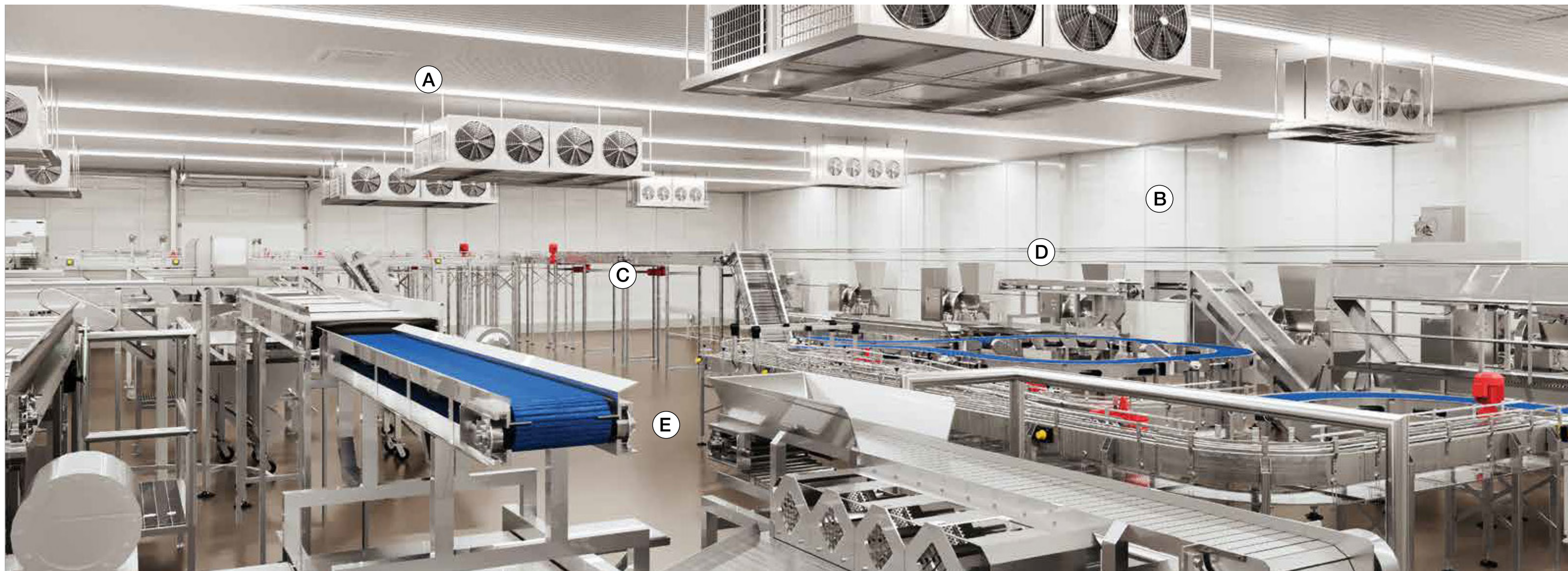
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**LOW VOC\* EMISSIONS**
-   
**CORROSION RESISTANCE**
-   
**ABRASION RESISTANCE**
-   
**QUICK RETURN-TO-SERVICE**
-   
**HEAVY DUTY PROTECTION**
-   
**HIGH DURABILITY**
-   
**CHEMICAL RESISTANCE**
-   
**LOW MAINTENANCE**

\*PPG AMERLOCK® Series: VOC <180 g/L PPG AQUAPON® WB EP: VOC 26.0 g/L PPG SPEEDHIDE®: VOC 46 g/L

Today you've got a new ally with nearly a century and a half of experience: PPG. We're a global leader in protecting industrial surfaces. And now we've assembled a comprehensive system of paints, coatings and specialty materials, backed by unmatched technical support and designed with food and beverage production in mind.

From wet and dry processing areas to manufacturing support and auxiliary spaces; from the roof down and from the floor up; and wherever people spend their working hours, our hard-wearing paints, coatings and specialty materials are recognized worldwide for outstanding performance in extreme situations.

Contents	Page
<b>Processing Facilities</b>	2
<b>Support &amp; Auxiliary Spaces</b>	4
Warehouses & Loading Docks	4
Battery Rooms	4
Freezers	4
Secondary Containments	4
<b>Roofs</b>	6
<b>Wastewater Systems</b>	7
<b>Floor Joints &amp; Damaged Concrete</b>	8
<b>Tank, Bin &amp; Silo Linings</b>	9
<b>Personnel Spaces</b>	10
<b>Exteriors</b>	11



# Processing Facilities

## Protected!

Depend on PPG's suite of processing-ready coatings for lasting resistance to production stresses and repetitive decontamination: The high-solids, low-VOC\* PPG AMERLOCK® series; PPG VERSAFLEX™ 3000/VF380FR and 5000, a high-performance polyurea coating system; water-based PPG AQUAPON® WB EP epoxy primer and topcoat; and PPG FLOORING™ 700 URETHANE CEMENT.

Area	System	Featured Products		
		Primer	Intermediate Coat	Topcoat
A Walls/Ceilings Concrete	Light Duty	Waterbased Epoxy C	AMERLOCK® 400 BF	AQUAPON® WB EP
	Heavy Duty	Hi Build Polyurea	AMERLOCK® Series	PPG VERSAFLEX™ 3000/VF380FR
B Walls/Ceilings Metal	Light Duty	Waterbased Epoxy	AQUAPON® WB EP Primer	AQUAPON® WB EP
	Heavy Duty	Hi Build Polyurea	AMERLOCK® Series	PPG VERSAFLEX™ 3000/VF380FR
C Equipment	Waterbased Epoxy	AQUAPON® WB EP Primer		AQUAPON® WB EP
D Piping	Waterbased Epoxy	AQUAPON® WB EP Primer		AQUAPON® WB EP
E Flooring	Urethane Cement	700 URETHANE CEMENT		



## Support & Auxiliary Spaces Protected!

When your primary concern is keeping service areas such as warehouses and loading docks, freezers, battery rooms and secondary containments in top condition, consider the proven performance of PPG wall coatings and floor treatments:

The high-solids, low-VOC PPG AMERLOCK® series is designed to take a beating even on irregular surfaces. Water-based PPG AQUAPON® WB EP epoxy primer and topcoat both feature fast-drying, ultra-low-VOC\* formulations. PPG VERSAFLEX™ 3000/VF380FR and 5000, a high-performance polyurea coating system, provides rapid return-to-service and excellent cleanability. PPG FLOORING™ 700 URETHANE CEMENT coating resists impact, thermal shock, abrasion, chemicals and vapor transmission. Low-viscosity, two-component ICO PRIMER XT 100%-solids epoxy is non-toxic and virtually odorless. Used in conjunction with ICO GLAZE BASE COAT, and ICO GLAZE TOPCOAT, it's effective in sealing concrete to reduce outgassing. And PPG NOVAGUARD® 1900, 6200 and 6850 floor coatings provide excellent resistance to a wide range of chemicals, solvents and refined fuels with one or two coats.

Area	System	Featured Products		
		Primer	Intermediate Coat	Topcoat
Walls	Hi Build Polyurea	AMERLOCK® Series	PPG VERSAFLEX™ 3000/VF380FR	PPG VERSAFLEX™ 5000
	Waterbased Epoxy C	AMERLOCK® 400 BF	AQUAPON® WB EP	
Walls/Ceilings	Chemical Resistant Epoxy	ICO PRIMER XT	ICO GLAZE BASE COAT	ICO GLAZE TOPCOAT
Flooring	Urethane Cement	PPG FLOORING™ 700 URETHANE CEMENT		
	Chemical Resistant Epoxy Floors	NOVAGUARD® 1900	NOVAGUARD® 6200	NOVAGUARD® 6850
CUI	Corrosion Under Insulation	AMERLOCK® Series		PPG HI-TEMP™ 1027
Hi Heat	Hi Heat Silicone Acrylic	PPG HI-TEMP™ 1027		PPG HI-TEMP™ 500



# Roofs

## Protected!

No roof is forever, but maintaining or restoring the one over your head is almost always more cost-effective than replacing it. See PPG for roofing solutions formulated to shield a wide range of substrates from harsh conditions and extreme weather: Durable PPG VERSAROOFF® S and PPG VERSAROOFF® EL+ high-performance, liquid-applied roofing membrane systems adhere readily to horizontal, vertical and overhead surfaces.\*

Area	System	Featured Products		
		Primer	Intermediate Coat	Topcoat
Concrete	PPG VERSAROOFF® S or EL+ Silicone or Roofing Granules	Specified per job	VERSAROOFF® S or EL+	VERSAROOFF® S or EL+ Silicone or Roofing Granules
Steel				
Built Up				
TPO				



# Wastewater Systems

## Protected!

Chemical, physical and biological wastewater treatment processes, and the sludge they produce, are tough on concrete and steel. For a full range of coatings that provide optimum corrosion and chemical resistance, look to PPG: PPG RAVEN® 755 resurfacer, PPG RAVEN® 175 primer, and the PPG RAVEN® and PPG AQUATAFLEX® topcoat series all can extend the life of exterior and interior steel tanks, basins and infrastructure.\* The PPG AQUATAFLEX® Tri-Hybrid formulation combines the chemical resistance of epoxy, the flexibility of polyurethane and the fast curing of polyurea. For tank lining applications, PPG NOVAGUARD® 840's long-term chemical resistance is ideal. And PPG SIGMASHIELD® 880's ultra-high film build delivers high abrasion and impact resistance for steel in almost any immersion setting.

Area	System	Featured Products		
		Primer	Intermediate Coat	Topcoat
EQ Basins Concrete	Tri-Hybrid Chemical Resistant	RAVEN® 755	RAVEN® 175	AQUATAFLEX® Series
Clarifiers Concrete		AQUATAFLEX®	RAVEN® 755	RAVEN® 175
Digesters Concrete		RAVEN® 755	RAVEN® 175	AQUATAFLEX® Series
EQ Basins Steel	Water Immersion Novalac	NOVAGUARD® 840		
Clarifiers Steel				
Digesters Steel	Abrasion High Resistant	SIGMASHIELD® 880		

\*This system can be applied only by certified applicators to ensure your applicator has a proven track record with PPG VERSAROOFF® and PPG RAVEN® products and the correct equipment.

⚠️ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## Floor Joints & Damaged Concrete Protected!

Specially formulated to stand up to thermal cycling, vibration and heavy traffic, PPG self-leveling joint fillers expand and contract to maintain a reliable seal that lets slabs move as designed. At the same time, PPG JOINT FILL™ SL Series formulations keep expansion and isolation joints free of water and debris while fending off impact damage to slab edges.

Area	System	Featured Products	
		Joint Filler or Sealant	Environment
Floor Joints	Self-Leveling Joint Sealants	SL45	Filling around machine pads creating vibration in slabs
		SL60	Standard exterior joint sealant
	Self-Leveling Joint Fillers	SL75	Heavy vehicle or wheeled cart traffic
		SL85	Pedestrian traffic like retail/shopping
		SL88	Forklift traffic like warehouses
		SL90	Heavy traffic and freezer thresholds
Concrete Repair	Epoxy Crack Filler	Epoxy Crack Filler	Two-component epoxy repair coating used to fill cracks in horizontal or vertical concrete
	PPG QUICK MENDER™ Concrete Repair	PPG QUICK MENDER Repair Polymer	Two-component, low viscosity, urethane-based product is designed for rapid repair and priming of concrete and masonry substrates
		PPG QUICK MENDER X.O. Repair Polymer	Two-component, high performance urethane-based product is specially designed to repair or patch horizontal concrete surfaces.



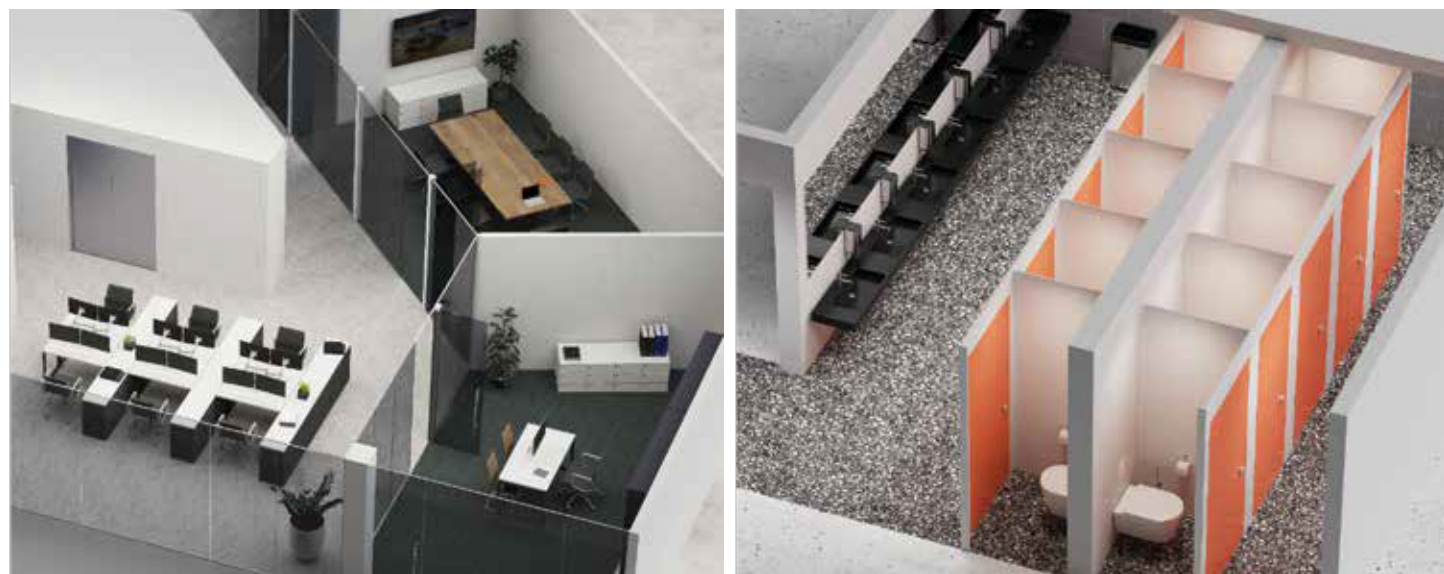
## Tank, Bin & Silo Linings Protected!

Keeping concrete or steel storage silos, tanks and bins protected—as well as smooth enough to avoid product hangup—is a specialized job requiring specialized coatings: The PPG CHAMPION 466F primer and topcoat modified epoxy system is FDA compliant\*, formulated for dry direct food contact and it provides excellent adhesion, flexibility and chemical resistance.

 The PPG CHAMPION 466F primer and topcoat modified epoxy system are specialized products that require specific technical expertise. **Please contact your PPG representative to review your project requirements and for expert solutions and specialized installation support/training to ensure successful completion and effective results.**

Area	System	Featured Products	
		Primer	Topcoat
Tanks, Cargo Storage	FDA Epoxy Liner	CHAMPION 466F Primer	CHAMPION 466F

\*Conforms to 21 CFR part 175.300



# Personnel Spaces

## Protected!

Clean, bright and protected—the condition of restrooms, break rooms, locker rooms, hallways and offices makes a definite impact on worker effectiveness. The right coatings and paints can reduce the burden of keeping those spaces in good shape: Water-based PPG AQUAPON® WB EP epoxy primer and topcoat feature fast-drying, ultra-low-VOC\* formulations that minimize maintenance in high-traffic interiors. PPG FLOORING™ 912 LV primer and PPG FLOORING™ 610 SL topcoat are low-odor, 100% solids, penetrating epoxy formulations suitable for dry or partially damp surfaces. And PPG SPEEDHIDE® 6-2 interior latex is a low-VOC\*, low-odor paint with excellent hiding power and coverage.

Area	System	Featured Products	
		Primer	Topcoat
Restroom Walls/Ceilings	Waterbased Epoxy	AQUAPON® WB EP Primer	AQUAPON® WB EP
Locker room Walls/Ceilings			
Office/Hallway Walls/Ceilings	Interior Latex	SPEEDHIDE® 6-2	SPEEDHIDE® 6-411
Locker room Floors	General Purpose Floors	PPG FLOORING™ 912 LV	PPG FLOORING™ 610 SL
Office/Hallway Floors			

\*PPG AQUAPON® WB EP: VOC 26.0 g/L PPG SPEEDHIDE®: VOC 46 g/L



# Plant Exteriors

## Protected!

Caring for the shell and surroundings of your physical plant is a multifaceted job. You can simplify the tasks that involve coatings, linings and paints with PPG's trusted, total-facility solutions: PPG SPEEDHIDE® Interior/Exterior Masonry Latex Block Filler is a matchless primer for concrete block walls. PPG PERMA-CRETE® Interior/Exterior High Build 100% Acrylic Topcoat is ideal for above-grade masonry substrates that demand durability.

For exterior steel and aluminum surfaces, PPG PITT-TECH® PLUS 4020 PF industrial-grade enamel delivers excellent adhesion for direct-to-metal performance. PPG SEAL GRIP® Interior/Exterior Universal Primer/Sealer is especially formulated to block water, smoke, ink, marker and tannin stains, even on glossy surfaces, while PPG SUN PROOF® Exterior Latex provides a tough, mildew-resistant coating. Out on the pavement, PPG ZONELINE™ Exterior Traffic & Zone Marking Paint is field tested for durability and wear-resistance on asphalt, concrete and brick.

Area	System	Featured Products	
		Primer	Topcoat
Exterior Block Walls	Exterior Concrete Latex	SPEEDHIDE® Interior/Exterior Masonry Latex Block Filler	PERMA-CRETE® Interior/Exterior High Build 100% Acrylic Topcoat
Exterior Steel	Waterbased DTM	PITT-TECH® PLUS 4020 PF	PITT-TECH® PLUS EP
Exterior Aluminum			
Exterior Wood	Exterior Wood Latex	SEAL GRIP® Interior/Exterior Universal Primer/Sealer	SUN PROOF® Exterior Latex
Parking Lot	Parking Lot Striping	ZONELINE™ Exterior Traffic & Zone Marking Paint	

## Featured Products

These buildings blocks are only the beginning. Contact your PPG representative to learn more about how these systems can help meet your goals for compliance, timing, budget and performance.

### Processing

#### PPG AMERLOCK® SERIES

Two-component, high-build, self-priming multipurpose polyamide-cured epoxy coatings compatible with a wide range of substrates.

#### PPG AQUAPON® WB EP PRIMER AND TOPCOAT

Water-based, fast-drying, ultra-low VOC\* formulation system that minimizes maintenance in high-traffic interiors.

#### PPG FLOORING™ 700 URETHANE CEMENT

Durable coating that resists impact, thermal shock, abrasion, chemicals and vapor transmission.

#### PPG HI-TEMP™ 1027

Two-component, ambient-cured, multi-polymeric, heat-resistant coating designed to prevent CUI.

#### PPG HI-TEMP™ 500

Water-based, low-permeability seamless acrylic composite insulation applicable to metal at temperatures up to 300°F (149°C).

#### PPG VERSAFLEX™ 3000/VF380FR and 5000

Two-component, solvent-free, elastomeric aliphatic polyurea primer, intermediate and topcoat system with ASTM E84 Class A flame-spread rating.

### Support & Auxillary Spaces

#### PPG AMERLOCK® SERIES

Two-component, high-build, self-priming multipurpose polyamide-cured epoxy coatings compatible with a wide range of substrates.

#### PPG AQUAPON® WB EP PRIMER AND TOPCOAT

Water-based, fast-drying, ultra-low-VOC\* formulation system that minimizes maintenance in high-traffic interiors.

#### PPG FLOORING™ 700 URETHANE CEMENT

Durable coating that resists impact, thermal shock, abrasion, chemicals and vapor transmission.

#### ICO GLAZE BASE COAT, ICO GLAZE TOPCOAT, ICO PRIMER XT

Two-component, low-viscosity, 100%-solids epoxy formulations that effectively seal concrete to reduce outgassing. Non-toxic and virtually odorless.

#### PPG NOVAGUARD® 1900 SEALER

One-component, penetrating moisture-cure sealer for concrete. Rapid return-to-service.

#### PPG NOVAGUARD® 6200 FS GROUT RESURFACER

Multi-layer novolac vinyl ester flooring system. Highly resistant to concentrated chemicals, thermal shock, and abrasion.

#### PPG NOVAGUARD® 6850 VINYL ESTER

Two-component, high-performance novolac coating system for splash and spill areas. Rapid return-to-service, excellent chemical resistance.

### Roof

#### PPG VERSAROOFF® S and EL+

Durable, high-performance, liquid-applied roofing membrane systems that adhere readily to horizontal, vertical and overhead surfaces.

### Wastewater

#### PPG AQUATAFLEX® SERIES

Tri-Hybrid formulation combines the chemical resistance of epoxy with the flexibility of polyurethane and the fast cure of polyurea.

#### PPG NOVAGUARD® 840

Two-component, solvent-free, amine-cured novolac phenolic epoxy coating resistant to a wide range of chemicals and solvents.

#### PPG RAVEN® 175

Two-component, low-odor, ultra-high-solids, penetrating epoxy primer/sealer.

#### PPG RAVEN® 755

Single-component, high-early-strength, fiber-reinforced cementitious underlayment and repair material.

#### PPG SIGMASHIELD® 880

Two-component, high-build, polyamine adduct-cured epoxy coating with excellent resistance to corrosion and abrasion.

### Floor Joints & Damaged Concrete

#### PPG SL45 JOINT SEALANT

Self-leveling polyurea joint sealants for concrete, available in a range of cure time and hardness characteristics.

#### PPG SL60 JOINT SEALANT

High-flexibility exterior sealant formulated to tolerate 10 – 15% installed-joint movement. Open to traffic in 2 hours.



#### PPG SL75 JOINT FILLER

Self-leveling polyurea formulation, flexible enough to tolerate 25% installed-joint movement. Open to traffic in 60 minutes.

#### PPG SL85 JOINT FILLER

Self-leveling polyurea formulation. Open to traffic in 60 minutes. For heavy pedestrian traffic.

#### PPG SL88 JOINT FILLER

Self-leveling polyurea formulation designed as a structural component. Open to traffic in 30 minutes. For heavy forklift traffic.

#### PPG SL90 JOINT FILLER

Self-leveling polyurea formulation designed as a structural component, available in a range of performance characteristics.

#### PPG FLOORING™ EPOXY CRACK FILLER

For shallow cracks in vertical or horizontal concrete or masonry surfaces. Excellent chemical resistance.

#### PPG QUICK MENDER™

Repairs, patches and primes horizontal concrete and porous masonry surfaces. Rapid return-to-service.

#### PPG QUICK MENDER™ X.O.

Repairs, patches and primes horizontal concrete and porous masonry surfaces. Rapid return-to-service. Low odor.

### Personnel Spaces

#### PPG AQUAPON® WB EP PRIMER AND TOPCOAT

Water-based, fast-drying, ultra-low-VOC\* formulations that minimize maintenance in high-traffic interiors.

#### PPG FLOORING™ 912 LV

Two-component, 100%-solids, penetrating epoxy primer/sealer for dry or partially damp concrete surfaces.

#### PPG FLOORING™ 610 SL

Two-component, 100% solids, high-gloss, self-leveling epoxy for concrete surfaces in corrosive environments.

#### PPG SPEEDHIDE® 6-2

Fast-dry coating with excellent adhesion for interior ceilings and overhead surfaces. Dry-fall within 10 feet under normal conditions.

#### PPG SPEEDHIDE® 6-411

Fast-dry coating with excellent adhesion for interior ceilings and overhead surfaces. Dry-fall within 10 feet under normal conditions. Meets most stringent U.S. requirements.

### Tank, Bin & Silo Linings

#### PPG CHAMPION 466F PRIMER AND TOPCOAT

Modified epoxy system formulated for direct food contact. Excellent adhesion, flexibility and chemical resistance.

### Plant Exteriors

#### PPG PITT-TECH® PLUS 4020 PF

One-component, 100% waterborne interior/exterior industrial enamel with excellent direct-to-metal adhesion, improved color and gloss retention.

#### PPG SPEEDHIDE® INTERIOR/EXTERIOR MASONRY LATEX BLOCK FILLER

Fast-dry coating with excellent adhesion for interior walls, ceilings and overhead surfaces. Dry-fall within 10 feet under normal conditions.

#### PPG PERMA-CRETE® INTERIOR/EXTERIOR HIGH BUILD 100% ACRYLIC TOPCOAT

Ideal for above-grade masonry substrates that demand durability. Alkali and efflorescence resistant.

#### PPG ZONELINE™ EXTERIOR TRAFFIC & ZONE MARKING PAINT

Fast-dry, 100% acrylic solution for use on fully cured asphalt, concrete and brick. Durable and wear-resistant.

#### PPG PITT-TECH® PLUS EP

One-component, 100% waterborne interior/exterior industrial enamel with excellent adhesion and improved color and gloss retention.

#### PPG SEAL GRIP® INTERIOR/EXTERIOR

Universal primer/sealer especially formulated to block water, smoke, ink, marker and tannin stains, even on glossy surfaces.

#### PPG SUN PROOF® EXTERIOR

Tough, mildew-resistant, 100% acrylic latex coating with low VOCs and excellent dry or wet adhesion.

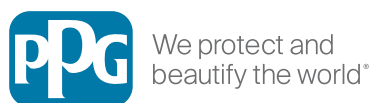


# We are PPG

- We protect and beautify the world by developing and delivering paints, coatings and materials that our customers have trusted for more than 130 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.

**Speak with your PPG rep\* or visit [www.ppgpmc.com](http://www.ppgpmc.com) to learn more.**

\*Recommendations and advice by PPG for the use of products are furnished gratuitously and are based upon information believed to be reliable. The products and related information are designed for users having the requisite knowledge and skills in the industry, and it is the end-user's responsibility to determine the suitability of the product for a particular use. Use of or reliance upon any recommendations or advice by PPG shall be at your sole discretion and risk.



[www.ppgpmc.com](http://www.ppgpmc.com)

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