

# PPG RAVEN<sup>®</sup> 405

Ultra-high build epoxy lining system for proven performance in wastewater applications





**The industry leader in heavy duty protection for wastewater facilities.**

Designed for operating temperatures up to 200 °F (93 °C), PPG RAVEN 405 has a unique ultra-high build formulation, 80-250+ mils per coat, that allows it to be applied on vertical and overhead surfaces. Our selection of PPG RAVEN 405 epoxies can be fully bonded to a variety of substrates, including dry or damp concrete, steel, ductile or cast iron, fiberglass, and masonry. These epoxies only vary when it comes to application methods and times, so you can find the solution that works best for you – whether you need a quick touch-up or are coating a brand-new structure.

Feature	PPG RAVEN 405 Flagship Epoxy	PPG RAVEN 405FS Fast Set Epoxy	PPG RAVEN 405UFS Ultra Fast Set Epoxy	PPG RAVEN 405 Trowel Trowel-Applied Epoxy
Spray Applied	●	●		
Trowel Applied		●	●	●
Return to Service	5 Hours	2 Hours	15 Minutes	5 Hours

# PPG RAVEN 405 is the flagship epoxy of our wastewater treatment coating systems.

This high-performance epoxy lining system has high physical strength and broad chemical resistance to stand up to severe, caustic environments. With a 30+ year history and over 30 million square feet coated, PPG RAVEN 405 is a proven technology that can protect new concrete or help rehabilitate an existing structure.

- CHEMICAL RESISTANCE
- ULTRA-HIGH BUILD
- ADHESIVE STRENGTH
- HEAVY DUTY PROTECTION
- CORROSION RESISTANCE
- SURFACE TOLERANCE
- 100% SOLIDS  
ULTRA-LOW VOC  
0.52 g/L
- QUICK RETURN-TO-SERVICE
- SWAT CERTIFICATION

*PPG RAVEN 405 is available only to certified applicators.*

**Typical applications**

- Concrete wastewater lining
- Clarifiers and digesters
- Tunnels and pipelines
- Tanks
- Secondary containment
- Manholes
- Floors and walls



**Certified applicators**

PPG RAVEN 405 is available only to certified applicators. Every certified applicator has been approved based on technical capability, equipment, and experience with PPG RAVEN products. Even after approval, our certified applicators are expected to maintain proficiency with audits, additional training, and equipment upkeep to ensure consistent performance. Our certified applicator program includes a network throughout the United States and Canada.



**Wastewater treatment facility**

PPG RAVEN 405 was designed to protect corrosive wastewater facilities. It has Severe Wastewater Analysis Testing (SWAT) certification and passed the Pickle Jar Test, due to its thick film and outstanding chemical resistance that can withstand high H<sub>2</sub>S gases and other caustics, chemicals and acids found in a wastewater facility. This product is included in our PPG Wastewater Systems portfolio.

Product System	Substrate/Environment
Two-Component High Build Epoxy PPG RAVEN 755 PPG RAVEN 405	Concrete Severe/Immersion

Learn more about our wastewater offering in our interactive systems guide or speak to your PPG representative.





# PPG RAVEN 405 Systems

These ultra-high build systems can be used to coat new build projects, maintain existing structures, or renew severely deteriorated wastewater infrastructure.

## Two-Component High Build Epoxy

Severe / Immersion

Coats	Build	Products	Total Thickness	Surface Preparation
Second Coat		PPG RAVEN 405	80-250+ mils	ICRI CSP 3 - 5
First Coat		PPG RAVEN 755	1/2" minimum	
Substrate		Concrete		

## Alternate Builds

Coats	Build	Products	Total Thickness	Surface Preparation
First Coat		PPG RAVEN 405	80-250+ mils	ICRI CSP 3 - 5
Substrate		Concrete		

Coats	Build	Products	Total Thickness	Surface Preparation
Third Coat		PPG RAVEN 405	80-250+ mils	ICRI CSP 3 - 5
Second Coat		PPG RAVEN Primer (Optional)	5.0-8.0 mils	
First Coat		PPG RAVEN 700 Series Cement Rebuild	Refer to Product Datasheet	
Substrate		Concrete		Cementitious product

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



We protect and beautify the world®

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

Protective & Marine Coatings | One PPG Place | Pittsburgh, PA 15272  
 PMCMarketing@ppg.com | 888-9PPGPMC | February 2022 | PM68465

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