



Corrosion-resistant epoxy primer

Long-lasting protection in highly corrosive onshore and offshore environments



Corrosion
Resistance



Cost
Effective



Easy and
Efficient



Low VOC
Emissions

Product Overview



PPG *Sigmacover 809* is a high-performance modified epoxy passivation primer and buildcoat that delivers long-lasting protection to steel structures requiring corrosion protection in extreme environmental conditions. Developed for use within the oil, gas, and chemical industries, PPG *Sigmacover 809* epoxy primer is suitable for both onshore and offshore structures and is certified to ISO 12944-2 C5 very high and CX extreme corrosion protection standards.

PPG *Sigmacover 809* epoxy primer (or 'buildcoat') is more cost effective and formulated with higher volume solids in comparison with traditional zinc-rich primers. In addition to excellent corrosion protection, this primer also helps to reduce the environmental impact of application thanks to lower VOC emissions*.

End Use



PPG *Sigmacover 809* epoxy primer can be used for **new builds, maintenance, and surface tolerance repairs in any steel structure that needs protection against harsh environments.**

- Upstream and downstream steel structure and equipment
- Onshore and offshore structural steel
- Renewable refineries

Features and Benefits



Excellent Corrosion Resistance

- Meets ISO 12944 C5VH and CX standards
- Extends service life of steel structures
- Reduces frequency of repairs and maintenance
- ISO performance even at lower DFT systems (360 µm and 280 µm)

Cost-Effective Protection

- More economical than zinc-rich primers

Easy and Efficient Application

- High volume solids and fast curing time
- Lower density (compared with zinc-rich primers) for easier mixing and handling
- Ease of application with airless spray and brush

Reduced Environmental Impact*

- Low VOC emissions < 280 g/l

Certifications and Regulations



- Meets ISO 12944 C5VH and CX extreme corrosion protection standards

*Compared to zinc-rich primers.





Certified Systems C5 Very High and CX

System C5.04/1*			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	150
Buildcoat	EP	PPG SIGMACOVER 809	150
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			360

System CX/1**			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	100
Buildcoat	EP	PPG SIGMACOVER 410	200
Topcoat	PUR	PPG SIGMADUR 550	50
Total system DFT			350

System C5.04/2*			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	100
Buildcoat	EP	PPG SIGMACOVER 410	200
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			360

System CX/2			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	75
Buildcoat	EP	PPG SIGMACOVER 410	145
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			280

System C5.04/3			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	75
Buildcoat	EP	PPG SIGMACOVER 410	145
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			280

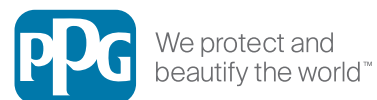
System CX/3**			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	100
Buildcoat	EP	PPG SIGMAFAST 278	200
Topcoat	PUR	PPG SIGMADUR 550	50
Total system DFT			350

System C5.04/4*			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	100
Buildcoat	EP	PPG SIGMAFAST 278	200
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			360

**Also complies with ISO 12944-9:2018 min. Nominal Dry Film Thickness and Minimum Number of Coats requirements.

System C5.04/5			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	75
Buildcoat	EP	PPG SIGMAFAST 278	145
Topcoat	PUR	PPG SIGMADUR 550	60
Total system DFT			280

*Also complies with ISO 12944-5:2019 min. Nominal Dry Film Thickness and Minimum Number of Coats requirements.



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