

Corrosion-resistant epoxy primer

Long-lasting protection in highly corrosive harsh 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 infrastructure industry, PPG *Sigmacover 809* is suitable for situations where the object requires optimal protection from harsh conditions and high durability is desired.

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 and maintenance of any steel structure that needs protection against harsh environments.

- Ports and harbors
- Bridges
- High-rise buildings
- Stadiums

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, providing more than 25 years of durability

*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

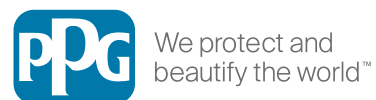
System CX/3**			
Layer	Generic Type	Product	DFT (µm)
Primer	EP	PPG SIGMACOVER 809	100
Buildcoat	EP	PPG SIGMAFAST 278	200
Topcoat	PUR	PPG SIGMADUR 550	50
Total system DFT			350

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

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

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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