

PPG STEELGUARD®

Approved primers

INTRODUCTION

This system sheet contains a list of PPG primers and primer systems approved for the STEELGUARD intumescent product range outside the scope of UL263 certification and European CE MARK.

For products under the scope of UL263 certification and European CE MARK, the UL263 certification or DoP document must be used first for certified generic primer types and DFT tolerances prior to this document. These documents will always take precedence over this Information Sheet for UL263 and European CE MARK products.

For the recommended application conditions/instructions/guidance, surface preparation and overcoating interval, please see the relevant product data sheets.

All primers and/or primer systems must be approved by PPG. If the primer or primer system you are looking for is not included, please contact PPG.

APPROVED PRIMERS

Region: Europe, Middle East & Africa

Approved primers #				
Primer/Primer system	Approved Min. DFT (µm)	Approved Max. DFT (µm)	Approved For	Generic type/Comments
PPG AQUACOVER ONE 625	50	75	WB	WB acrylic Zinc Phosphate
PPG SIGMACOVER 280	50	100	SB, WB, EP	Epoxy
PPG SIGMACOVER 350	100	150	SB, WB, EP	Epoxy
PPG SIGMAFAST 20	50	75	SB, WB	Alkyd
PPG SIGMAFAST 205	75	150	SB, WB, EP	Zinc phosphate epoxy
PPG SIGMAFAST 205 LT	75	150	SB, WB, EP	Zinc phosphate epoxy
PPG SIGMAFAST 210 HS	75	150	SB, WB, EP	Zinc phosphate polyurethane
PPG SIGMAFAST 278 D	75	150	EP	Zinc phosphate epoxy
PPG SIGMAPRIME 200 K	75	150	SB, WB, EP	Epoxy
PPG SIGMAPRIME 700	100	150	SB, WB, EP	High-solids epoxy
PPG SIGMAZINC 68 GP	60	110	SB, EP	Zinc-rich epoxy
PPG SIGMAZINC 68 GP + SIGMACOVER 280	60 + 40	110 + 60	SB, WB, EP	Zinc-rich epoxy + Epoxy sealer



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Region: Asia Pacific

Approved primers #				
Primer/Primer system	Approved Min. DFT (µm)	Approved Max. DFT (µm)	Approved For	Generic type/Comments
PPG AQUACOVER ONE 625	50	75	WB	WB Acrylic Zinc Phosphate
PPG SIGMACOVER 256	75	150	SB, WB, EP	Zinc phosphate epoxy
PPG SIGMACOVER 280	50	100	SB, WB, EP	Epoxy
PPG SIGMACOVER 350	100	150	SB, WB, EP	Epoxy
PPG SIGMAFAST 210 HS	75	150	SB, WB, EP	Zinc phosphate polyurethane
PPG SIGMAFAST 278 D	75	150	EP	Zinc phosphate epoxy
PPG SIGMAPRIME 200 K	75	150	SB, WB, EP	Epoxy
PPG SIGMAPRIME 700	100	150	SB, WB, EP	High-solids epoxy
PPG SIGMAZINC 68 GP	60	110	SB, EP	Zinc-rich epoxy
PPG SIGMAZINC 68 GP + SIGMACOVER 280	60 + 40	110 + 60	SB, WB, EP	Zinc-rich epoxy + Epoxy sealer

Region: United States & Canada

Approved primers #				
Primer/Primer system	Approved Min. DFT (µm)	Approved Max. DFT (µm)	Approved For	Generic type/Comments
PPG AMERLOCK 2 C / SIGMACOVER 2	75	150	SB, WB, EP	Surface-tolerant epoxy
PPG AMERLOCK 400 C / SIGMACOVER 400	75	150	SB, WB, EP	Surface-tolerant epoxy
PPG SIGMAFAST 278 D	75	150	EP	Zinc phosphate epoxy
PPG SIGMAPRIME 200 K	75	150	SB, WB, EP	Epoxy
PPG SIGMAPRIME 700	100	150	SB, WB, EP	High-solids epoxy
PPG SIGMAZINC 68 GP	60	110	SB, EP	Zinc-rich epoxy



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Region: Latin America

Approved primers #				
Primer/Primer system	Approved Min. DFT (µm)	Approved Max. DFT (µm)	Approved For	Generic type/Comments
PPG AMERLOCK 400 C / SIGMACOVER 400	75	150	SB, WB, EP	Surface-tolerant epoxy
PPG SIGMACOVER 2	75	150	SB, WB, EP	Surface-tolerant epoxy
PPG SIGMACOVER 280	50	100	SB, WB, EP	Epoxy
PPG SIGMACOVER 350	100	150	SB, WB, EP	Epoxy
PPG SIGMAFAST 20	50	75	SB, WB	Alkyd
PPG SIGMAFAST 278 D	75	150	EP	Zinc phosphate epoxy
PPG SIGMAPRIME 200 K	75	150	SB, WB, EP	Epoxy
PPG SIGMAPRIME 700	100	150	SB, WB, EP	High-solids epoxy
PPG SIGMAZINC 68 GP	60	110	SB, EP	Zinc-rich epoxy
PPG SIGMAZINC 68 GP + SIGMACOVER 280	60 + 40	110 + 60	SB, WB, EP	Zinc-rich epoxy + Epoxy sealer

Notes

1. For STEELGUARD 951, approval up to and including C3, allows the omission of primer.
2. The above-mentioned primers are approved for mild steel substrates only. For the treatment of other ferrous substrates, galvanized steel and metal spray please refer to latest PPG STEELGUARD Application Guidance document or PPG STEELGUARD 951 Application Guidance document.
3. SB= Solvent-based intumescent coatings: PPG STEELGUARD 550, 701, 751, 801, 802, 803 and 851
4. WB= Water-based intumescent coatings: PPG STEELGUARD 651
5. EP = Epoxy-based intumescent coatings: PPG STEELGUARD 951
6. Before the application of the intumescent coating, the following conditions shall be met:
 - The primer shall be applied in accordance with the Product Data Sheet
 - The primer shall be within its stated overcoating period
 - The primer shall be intact and free from damage and degradation
 - The primer shall be clean, dry and free from any contamination
7. Aluminum versions of the above primers are not approved for use with PPG STEELGUARD intumescent coatings.
8. DFT= Dry Film Thickness

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