

# 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 AQUACOVER ONE 645	50	100	WB, SB	WB acrylic
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



# PPG STEELGUARD®

## Approved primers

### 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 AQUACOVER ONE 645	50	100	WB, SB	WB Acrylic
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



# PPG STEELGUARD®

## Approved primers

### 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

### WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING

OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

### LIMITATION OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgmc.com](http://www.ppgmc.com). The English text of this sheet shall prevail over any translation thereof.

