

# PPG STEELGUARD®

## Approved topcoats

### INTRODUCTION

This information sheet contains a list of PPG topcoats and topcoat systems approved for the PPG STEELGUARD intumescent product range outside the scope of UL 263 certification and European CE MARK.

Refer to product specific UL263 certification and DoP documents first for UL and CE mark approved topcoats, durability categories and DFT guidance, prior to this document.

For the recommended application conditions/instructions/guidance and surface preparation please see the relevant product data sheets. For overcoating intervals of the PPG STEELGUARD product to be top coated and handling / transportation / erection please see Information Sheet 1222 - PPG STEELGUARD INTUMESCENT COATINGS - APPLICATION GUIDELINES, Information Sheet 1223 - PPG STEELGURD 951 INTUMUSCENT COATINGS - APPLICATION GUIDELINES and the relevant product data sheets.

All topcoats must be PPG approved as part of the fully applied system. Non-tested topcoats should not be used. If the topcoat you require is not shown below, please contact PPG for guidance.

### TOPCOATS

Selection of topcoats #		
Exposure (ISO 12944)	Water-based Options PPG STEELGUARD 651	Solvent-based Options PPG STEELGUARD 550, 701, 751, 801, 802, 803 & 851
C1/C2 Internal	1 x PPG STEELGUARD 2458 1 x WB acrylic 1 x SB epoxy acrylic 1 x SB PU 1 x SB Polyaspartic	1 x PPG STEELGUARD 2458 1 x SB acrylic 1 x SB epoxy acrylic 1 x SB PU
C3/C4 External	N/A	2 x PPG STEELGUARD 2458 2 x SB PU

**Note:**

For PPG STEELGUARD 951, certification includes up to and including C5 without the use of topcoat.



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Topcoat system	Approved dft per coat [ $\mu\text{m}$ ]	PPG STEELGUARD WB Options	PPG STEELGUARD SB Options	PPG STEELGUARD EP Options	Generic Type
PPG AMERCOAT 450 X	60	C1 / C2 Internal	C1/C2/C3/C4	C1/C2 /C3/C4/C5	SB PU
PPG ASCODUR 600 SG	50	C1 / C2 Internal	-	C1 / C2 / C3	WB PU
PPG KWIKSPAR 600 SG	60	C1 / C2 Internal	-	C1 / C2 / C3	SB PA
PPG PITT-TECH PLUS SG	75	C1 / C2 Internal	-	C1 / C2 / C3	WB acrylic
PPG SIGMADUR 541	60	-	C1/C2/C3/C4	C1 / C2 / C3	SB EP acrylic
PPG SIGMADUR 550	60	C1 /C2 Internal	C1/C2/C3/C4	C1/C2 /C3/C4/C5	SB PU
PPG STEELGUARD 2458	60	C1 /C2 Internal	C1/C2/C3/C4	C1/C2 /C3/C4/C5	SB acrylic
PPG SIGMADUR 520	60	C1 /C2 Internal	C1/C2/C3/C4	C1/C2 /C3/C4/C5	SB PU
TIKKURILA FONTECRYL SC50	60	C1 /C2 Internal	-	C1 / C2 / C3	WB acrylic
TIKKURILA FONTECRYL SC-EF 50	60	C1 / C2 Internal	-	C1 / C2 / C3	WB acrylic

### Notes

- As a general rule the DFT of the topcoat or topcoat system should not exceed the DFT approved by more than 50%, please consult the Product Data Sheet or PPG for additional details. DFT's significantly lower than those stated in the tables below will affect the performance of the coating system adversely.
- Before the application of the topcoat or topcoat system the following conditions shall be met:
  - The PPG STEELGUARD intumescent coating shall be applied in accordance with the Product Data Sheet
  - The PPG STEELGUARD intumescent coating shall be within its stated overcoating period.
  - The PPG STEELGUARD intumescent coating shall be intact and free from damage and degradation.
  - The PPG STEELGUARD intumescent coating shall be clean and free from any contamination.
- Where offsite application of the topcoat or topcoat system is carried out, sufficient drying time must be allowed prior to handling, transportation and erection to minimize damage. For single pack PPG STEELGUARD intumescent coatings, drying times will increase significantly with higher applied DFTs and be dependent on application and drying conditions and the section type. The generic type of the topcoat will also influence dry-to-handle times.
- Where fast track processing is required with topcoats on high DFT single pack PPG STEELGUARD intumescent coatings and/or on vulnerable sections, please contact PPG.
- Tables above refer to solid colors only.
- If the topcoat or topcoat system you are looking for is not included, please contact PPG.
- SB= solvent-based; WB= water-based, EP= Epoxy-based, PU= Polyurethane; PA= Polyaspartic; DFT= Dry Film Thickness



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### 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

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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.

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