

STEELGUARD™ 651

DECLARATION OF PERFORMANCE No. DOP 651/10

1. Unique identification code of the product-type:	STEELGUARD™ 651
2. Intended use:	Waterborne reactive coating for fire protection of load bearing steel elements
3. Manufacturer:	PPG Coatings Europe BV, Oceanenweg 2, 1047BB, Amsterdam, The Netherlands
4. Authorised Representative:	Not Applicable
5. System/s of AVCP:	System 1
6a. Harmonised Standard:	Not Applicable
Notified Body/ies:	
6b. European Assessment Document:	
European Technical Assessment:	ETA 22/0050
Technical Assessment Body:	UL International (Netherlands) B.V.
Notified Body/ies:	UL International (Netherlands) B.V.



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7. Declared Performance/s:	Essential Characteristics	Performance	Technical Specifications
Basic requirement for construction work: Safety in case of fire			
Fire resistance	I/H section beams and columns R15, R20, R30, R45, R60, R90, R120 - All including slow heating Circular and rectangle/square hollow section columns R15, R20, R30, R45, R60, R90, R120. Rectangle/square hollow section beams R30, R60		EN 13381-8: 2013 EN 13501-2: 2016
Basic requirement for construction work: Hygiene, health and environment			
Release of dangerous substances	The product specification has been compared with the dangerous substances listed on the database established on the EC construction website with the list of regulated dangerous substances possible associated with construction products with Annex XVII and Annex XVI of REACH and with the ECHA candidate list of substances of very high concern to verify that the products does not contain such substances at greater than the tolerated maximum concentration values		EAD 350402-00-1106, September 2017
Basic requirement for construction work: Safety and accessibility in use			
Durability and serviceability; Behavior under different environmental conditions		- Primer and topcoat compatibility Passed exposure conditions: - Type X Durability - Type Y Durability - Type Z ₂ Durability - Type Z ₁ Durability	EAD 350402-00-1106, September 2017
8. Appropriate Technical Documentation and/or Specific Technical Documentation:	EAD 350402-00-1106, September 2017		



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STEELGUARD™ 651 - Approved EAD 350402-00-1106 Systems		
Generic Primer Type	DFT Min	DFT Max
One Component water borne Acrylic	50µm	110µm
Alkyd	50µm	110µm
Two Component Epoxy	50µm	150µm
Galvanised Steel/Two Component Epoxy Tie Coat	50µm (Tie Coat Only)	60µm (Tie Coat Only)
Thermal Metal Spray/Two Component Epoxy Tie Coat	50µm (Tie Coat)	150µm (Tie Coat)

Please refer to PPG Information sheet 1224 for the current list of approved primers.


Topcoat	DFT Tested	DFT Min	DFT Max	Environmental Conditions			
				Z ₂	Z ₁	Y	X
No Top Coat	-	-	-	✓	✓		
STEELGUARD 2458	75µm	75µm	110µm	✓	✓		
SIGMADUR 550 / FREITANE 550	60µm	60µm	90µm	✓	✓		
SIGMADUR 520 / FREITANE 520	60µm	60µm	90µm	✓	✓		
FONTECRYL SC 50 / FONTECRYL SC-EF 50	60µm	60µm	90µm	✓	✓		
SIGMADUR 550 / FREITANE 550	2x60µm	120µm	180µm	✓	✓	✓	✓
SIGMADUR 520 / FREITANE 520	2x60µm	120µm	180µm	✓	✓	✓	✓

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



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PPG Coatings Europe BV, Oceanenweg 2, 1047 BB Amsterdam, The Netherlands Manufacturing plant: PPG Deco Polska sp. z.o.o. Lewkowiec Branch 63-400 Ostrow Wlkp, Lewkowiec 68, Poland 2831-CPR-0236 DoP651
ETA No 22/0050 - EAD 350402-00-1106, STEELGUARD™ 651 Reactive coating for fire protection of steel elements: Resistance to fire up to R120 Primer / topcoat compatibility: Passed exposure conditions Z ₂ , Z ₁ , Y, X See ETA for relevant characteristics

Signed for and on behalf of the manufacturer by:

Name:

Herman Putter

Function:

PC EMEA Marketing and Business Development Director

Place and date of issue:

Amsterdam, March 1, 2023

Signature:



Signed for and on behalf of the manufacturer by:

Name:

Kees van Vliet

Function:

PMC Global R&D Manager Cellulosic PFP

Place and date of issue:

Amsterdam, March 1, 2023

Signature:




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WARRANTY

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