

# PPG STEELGUARD ® 2458

## DESCRIPTION

One-component, solvent-borne acrylic finish

## PRINCIPAL CHARACTERISTICS

- Finish coat for STEELGUARD intumescent coatings
- Good gloss and color retention
- Resistant to water and splash of mild chemicals
- Fast-drying

## COLOR AND GLOSS LEVEL

- White and various colors
- Low sheen

## BASIC DATA AT 20°C (68°F)

Data for product	
<b>Number of components</b>	One
<b>Mass density</b>	1.23 kg/l (10.26 lb/US gal)
<b>Volume solids</b>	45 ± 2%
<b>VOC (Supplied)</b>	Directive 2010/75/EC, SED: max. 430.0 g/kg UK PG 6/23(92) Appendix 3: max. 532.0 g/l (approx. 4.4 lb/US gal)
<b>Recommended dry film thickness</b>	50 - 125 µm (2.0 - 5.0 mils) depending on system
<b>Theoretical spreading rate</b>	6.00 m <sup>2</sup> /l for 75 µm (241 ft <sup>2</sup> /US gal for 3.0 mils)
<b>Dry to touch</b>	1 hour
<b>Overcoating Interval</b>	Minimum: 4 hours Maximum: Unlimited
<b>Shelf life</b>	At least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Spreading rate and film thickness
- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Previous coat must be sound, dry and free from any contamination

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## **Substrate temperature and application conditions**

- Substrate temperature during application and curing should be between 5°C (41°F) and 30°C (86°F)
- Substrate temperature during application and curing should be at least 3°C (37°F) above dew point
- Ambient temperature during application and curing should be between 5°C (41°F) and 30°C (86°F)
- Relative humidity during application and curing should not exceed 85%

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## **INSTRUCTIONS FOR USE**

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- Adding too much thinner results in reduced sag resistance and slower cure

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## **Airless spray**

### **Recommended thinner**

THINNER 21-06

### **Volume of thinner**

0 – 5%

### **Nozzle orifice**

Approx. 0.38 – 0.43 mm (0.015 – 0.017 in)

### **Nozzle pressure**

20.0 MPa (approx. 200 bar; 2901 p.s.i.)

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## **Brush/roller**

- For small areas only (touch up and repair)

### **Recommended thinner**

THINNER 21-06

### **Volume of thinner**

0 – 3%

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## **Cleaning solvent**

- THINNER 21-06

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## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
50 µm (2.0 mils)	9.00 m <sup>2</sup> /l (361 ft <sup>2</sup> /US gal)
75 µm (3.0 mils)	6.00 m <sup>2</sup> /l (241 ft <sup>2</sup> /US gal)
100 µm (4.0 mils)	4.50 m <sup>2</sup> /l (180 ft <sup>2</sup> /US gal)
125 µm (5.0 mils)	3.60 m <sup>2</sup> /l (144 ft <sup>2</sup> /US gal)

Note:

- Maximum DFT when brushing: 50 µm (2.0 mils)

Overcoating interval for DFT up to 75 µm (3.0 mils)				
Overcoating with...	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum Maximum dry through Maximum	8 hours 10 hours Unlimited	4 hours 7 hours Unlimited	2 hours 4 hours Unlimited

Curing time for DFT up to 75 µm (3.0 mils)		
Substrate temperature	Dry to touch	Dry to handle
10°C (50°F)	2 hours	8 hours
20°C (68°F)	1 hours	4 hours
30°C (86°F)	30 minutes	2 hours

Note:

- Adequate ventilation must be maintained during application and curing

## SAFETY PRECAUTIONS

- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes
- See Safety Data Sheet and product label for complete safety and precaution requirements

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## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

- Guide | PPG STEELGUARD | Application guidelines
- System sheet | PPG STEELGUARD | Approved primers
- System sheet | PPG STEELGUARD | Approved topcoats
- Information sheet | Explanation of product data sheets
- System sheet | PPG STEELGUARD | Systems and environments
- Information sheet | PPG Steelguard | FAQ's

## 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.

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