

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	
Number of components	One
Mass density	1.23 kg/l (10.26 lb/US gal)
Volume solids	45 ± 2%
VOC (Supplied)	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)
Recommended dry film thickness	50 - 125 µm (2.0 - 5.0 mils) depending on system
Theoretical spreading rate	6.00 m ² /l for 75 µm (241 ft ² /US gal for 3.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 4 hours Maximum: Unlimited
Shelf life	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 (5°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.)

Brush/roller

- For small areas only (touch up and repair)

Recommended thinner

THINNER 21-06

Volume of thinner

0 – 3%

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 ² /l (361 ft ² /US gal)
75 µm (3.0 mils)	6.00 m ² /l (241 ft ² /US gal)
100 µm (4.0 mils)	4.50 m ² /l (180 ft ² /US gal)
125 µm (5.0 mils)	3.60 m ² /l (144 ft ² /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	8 hours	4 hours	2 hours
	Maximum dry through	10 hours	7 hours	4 hours
	Maximum	Unlimited	Unlimited	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

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