DESCRIPTION

Two-component, engineered siloxane coating

PRINCIPAL CHARACTERISTICS

- · Unique, high gloss, isocyanate free solution
- · Tin free acrylic siloxane
- Excellent color and gloss retention
- · Applied by brush, roller or spray, without thinning
- Good resistance to splash and spillage of chemicals
- · Can be applied direct to metal

COLOR AND GLOSS LEVEL

- Full color range
- · High gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.3 lb/US gal)
Volume solids	76 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 142.0 g/kg max. 195.0 g/l (approx. 1.6 lb/US gal) China GB 30981-2020 (tested) 185.0 g/l (approx. 1.5 lb/gal)
Recommended dry film thickness	50 - 75 μm (2.0 - 3.0 mils) per coat
Theoretical spreading rate	15.2 m²/l for 50 μm (610 ft²/US gal for 2.0 mils)
Dry to touch	2 hours
Overcoating Interval	Minimum: 3 hours Maximum: Unlimited
Shelf life	Base: at least 36 months when stored cool and dry Hardener: 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

• Coating performance is proportional to the degree of surface preparation

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Substrate conditions

- Steel; pretreated minimum ISO-Sa2 (SSPC SP-6) or higher with blasting profile 25 75 μm (1.0 3.0 mils)
- For touch up and repair, power tool cleaning in accordance with SSPC SP-11 is acceptable
- Compatible previous coat must be dry and free from any contamination
- · Aged suitable coating must be dry and free from any contamination, it may require abrading prior to applying this product
- · Prepare damaged areas to original surface preparation specifications, feathering edges of intact coating

Substrate temperature

- Substrate temperature during application and curing should be above 0°C (32°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should be above 40%

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 80:20 (4:1)

Use a power mixer powered by an air or explosion-proof electric motor

Induction time

None

Pot life

5 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

Air spray

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 5%, depending on required thickness and application conditions

Nozzle orifice

1.5 - 2.0 mm (approx. 0.060 - 0.079 in)

Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

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Airless spray

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 2%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.38 - 0.48 mm (0.015 - 0.019 in)

Nozzle pressure

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

Brush/roller

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 1%

Cleaning solvent

THINNER 90-53

ADDITIONAL DATA

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
50 μm (2.0 mils)	15.2 m²/l (610 ft²/US gal)	
75 μm (3.0 mils)	10.1 m ² /l (406 ft ² /US gal)	

Overcoating interval for DFT up to 50 μm (2.0 mils) at RH 40% or above						
DONOTPRINTONPDF						
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself	Minimum	20 hours	9 hours	3 hours	2 hours	1 hour
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

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Curing time for DFT up to 50 µm (2.0 mils)			
Substrate temperature	Dry to touch	Dry to handle	
5°C (41°F)	14 hours	30 hours	
10°C (50°F)	8 hours	20 hours	
20°C (68°F)	2 hours	5 hours	
30°C (86°F)	1.5 hours	3.5 hours	
40°C (104°F)	1 hour	3 hours	

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
10°C (50°F)	8 hours	
20°C (68°F)	5 hours	
30°C (86°F)	2 hours	
40°C (104°F)	1 hour	

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
- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- · Avoid at all times inhalation of aerosol spray mist

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and 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

 CONVERSION TABLES EXPLANATION TO PRODUCT DATA SHEETS SAFETY INDICATIONS SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD 	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1410 1411 1430 1431
 SAFE WORKING IN CONFINED SPACES DIRECTIVES FOR VENTILATION PRACTICE RELATIVE HUMIDITY - SUBSTRATE TEMPERATURE - AIR TEMPERATURE 	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1433 1434 1650

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