

SIGMADUR™ ONE

DESCRIPTION

One-pack urethane polyester finish coat for onboard maintenance

PRINCIPAL CHARACTERISTICS

- Easy to apply on topsides, decks and superstructures
- Prereacted binder, no free isocyanates added
- Easy application
- Excellent flow and levelling properties
- Recommended application is by brush and roller only
- Quick-drying
- Good adhesion on most aged-, sound alkyd-, chlorinated rubber- and epoxy coatings
- High gloss
- Good color- and gloss retention

COLOR AND GLOSS LEVEL

- White and various other colors (see also SIGMACARE shade card)
- Gloss

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.1 kg/l (9.2 lb/US gal)
Volume solids	53 ± 3%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 383.0 g/kg max. 400.0 g/l (approx. 3.3 lb/US gal)
Recommended dry film thickness	35 - 70 µm (1.4 - 2.8 mils) depending on system
Theoretical spreading rate	14.3 m²/l for 35 µm (573 ft²/US gal for 1.4 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 8 hours Maximum: Unlimited
Full cure after	4 days
Shelf life	At least 24 months when stored cool and dry

Note: See ADDITIONAL DATA – Overcoating intervals



**PPG Protective &
Marine Coatings**

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Previous coat (alkyd, epoxy or polyurethane) must be dry and free from any contamination
- Previous coat: surface should be sufficiently roughened if necessary

Substrate temperature and application conditions

- Substrate temperature during application should not exceed 50°C (122°F)
- Substrate temperature during application should be at least 3°C (5°F) above dew point

SYSTEM SPECIFICATION

- SYSTEMS FOR SUPERSTRUCTURE AND DECK FITTINGS – SYSTEM SHEET 3104

INSTRUCTIONS FOR USE

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F)
- Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

Brush/roller

Recommended thinner

Ready for use

Cleaning solvent

THINNER 21-06

ADDITIONAL DATA

Overcoating interval for DFT up to 70 µm (2.8 mils)						
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	14 hours	8 hours	6 hours	5 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

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SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- 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

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

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431
• SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
• DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434

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