

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) EPA Method 24: 2.6 lb/US gal (311.5 g/l)
Recommended dry film thickness	35 - 70 µm (1.4 - 2.8 mils) depending on system
Theoretical spreading rate	14.3 m ² /l for 35 µm (573 ft ² /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

Notes:

- Version compliant with US and Canada VOC legislation is making use of exempt solvents
- See ADDITIONAL DATA - Overcoating intervals

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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

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

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

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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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