

# 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	
<b>Number of components</b>	One
<b>Mass density</b>	1.1 kg/l (9.2 lb/US gal)
<b>Volume solids</b>	53 ± 3%
<b>VOC (Supplied)</b>	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)
<b>Recommended dry film thickness</b>	35 - 70 µm (1.4 - 2.8 mils) depending on system
<b>Theoretical spreading rate</b>	14.3 m <sup>2</sup> /l for 35 µm (573 ft <sup>2</sup> /US gal for 1.4 mils)
<b>Dry to touch</b>	1 hour
<b>Overcoating Interval</b>	Minimum: 8 hours Maximum: Unlimited
<b>Full cure after</b>	4 days
<b>Shelf life</b>	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

### Brush/roller

### Recommended thinner

Ready for use

## 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

- 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 & 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.

# SIGMADUR™ ONE

## REFERENCES

- Guide | PPG SIGMACARE PLUS | Online guide to maintenance at sea
  - Information sheet | Explanation of product data sheets
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