



New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

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

SIGMADUR™ ONE

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

SIGMADUR™ ONE

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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