December 9, 2019 (Revision of July 23, 2018)

SIGMA SAILADVANCE™ GX

DESCRIPTION

Low friction, self lubricating, linear self polishing high activity performance antifouling based on hydrolysable binder composition

PRINCIPAL CHARACTERISTICS

- Designed for all vessel types and speeds and particularly effective for slow steaming because of its engineered oils binder composition
- Evolves in a linear polishing and consistent biocide release for predictable performance up to 90 months
- Designed for broad range of vessel operational profiles
- Constant surface activity, limited leach layer build-up
- Low friction properties from lubricating engineered oils surpressing turbulent flow
- Extended idle days through the release effect of engineered oils creating a slippery surface
- High volume solids for efficient application
- Suitable for application at New Build and Dry Dockings
- Based on PPG technology

COLOR AND GLOSS LEVEL

- Redbrown, brown
- Flat

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.7 kg/l (14.2 lb/US gal)
Volume solids	59 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 227.0 g/kg max. 398.0 g/l (approx. 3.3 lb/US gal)
Recommended dry film thickness	75 - 165 µm (3.0 - 6.5 mils) depending on system
Theoretical spreading rate	3.6 m^2/l for 165 µm (146 ft^2/US gal for 6.5 mils)
Dry to touch	2 hours
Overcoating Interval	Minimum: 6 hours
Refloating time	Minimum: 12 hours
Shelf life	At least 12 months when stored cool and dry

Notes:
- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Overcoating intervals

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Previous coat must be sound, dry and free from any contamination
- Suitable high performance anticorrosive tiecoats

Substrate temperature and application conditions

- Substrate temperature during application should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should not exceed 85%

INSTRUCTIONS FOR USE

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- Adding too much thinner results in reduced sag resistance

Airless spray

Recommended thinner
THINNER 21-06

Volume of thinner
0 - 3%, depending on required thickness and application conditions

Nozzle orifice
Approx. 0.53 – 0.69 mm (0.021 – 0.027 in)

Nozzle pressure
12.0 - 15.0 MPa (approx. 120 - 150 bar; 1741 - 2176 p.s.i.)

Brush/roller

- Only for touch-up and spot repair

Recommended thinner
THINNER 21-06

Volume of thinner
0 – 3%

Cleaning solvent
THINNER 21-06

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ADDITIONAL DATA

Spreading rate and film thickness	
DFT	**Theoretical spreading rate**
75 µm (3.0 mils)	7.9 m^2/l (315 ft^2/US gal)
100 µm (4.0 mils)	5.9 m^2/l (237 ft^2/US gal)
150 µm (6.0 mils)	3.9 m^2/l (158 ft^2/US gal)
165 µm (6.5 mils)	3.6 m^2/l (146 ft^2/US gal)

Overcoating interval for DFT up to 165 µm (6.5 mils)							
Overcoating with...	**Interval**	**-5°C (23°F)**	**0°C (32°F)**	**5°C (41°F)**	**10°C (50°F)**	**20°C (68°F)**	**30°C (86°F)**
itself	Minimum	24 hours	18 hours	12 hours	10 hours	6 hours	4 hours
	Refloating - Minimum	36 hours	30 hours	24 hours	16 hours	12 hours	9 hours

Notes:
- Longer drying times may be necessary at higher DFT and under unfavorable atmospheric conditions
- Above table is a fair indication for normal application conditions. Please contact your PPG representative for data at much lower and higher DFT conditions

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

WARRANTY

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LIMITATIONS OF LIABILITY

Depending on specific country of application the following versions are available:

Article code	Color	Reference
371293	redbrown	2008002200
371294	brown	2000002200