

# SIGMA NEXEON™ 750

## DESCRIPTION

High-activity, tin-free and copper-free self-polishing antifouling, specially designed for hull protection during long stationary periods

## PRINCIPAL CHARACTERISTICS

- Superior antifouling performance during outfitting
- Excellent aesthetics at vessel delivery
- Excellent polishing characteristics and hull roughness reduction
- Suitable for static, low speed and low activity vessels
- Can be applied as the final coat for all PPG antifouling systems
- Complies with IMO Antifouling Systems Convention

## COLOR AND GLOSS LEVEL

- Redbrown, brown
- Flat

## BASIC DATA AT 20°C (68°F)

Data for product	
<b>Number of components</b>	One
<b>Mass density</b>	1.4 kg/l (11.7 lb/US gal)
<b>Volume solids</b>	52 ± 2%
<b>VOC (Supplied)</b>	Directive 1999/13/EC, SED: max. 307.0 g/kg max. 430.0 g/l (approx. 3.6 lb/US gal)
<b>Recommended dry film thickness</b>	75 - 150 µm (3.0 - 6.0 mils) depending on system, type of vessel and outfitting time
<b>Theoretical spreading rate</b>	5.2 m <sup>2</sup> /l for 100 µm (209 ft <sup>2</sup> /US gal for 4.0 mils)
<b>Dry to touch</b>	2 hours
<b>Overcoating Interval</b>	Minimum: 8 hours Maximum: Unlimited
<b>Shelf life</b>	At least 18 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Spreading rate and film thickness
- See ADDITIONAL DATA - Overcoating intervals



# SIGMA NEXEON™ 750

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Substrate conditions

- Previous coat must be dry and free from any contamination
  - Suitable high performance anticorrosive
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### Substrate temperature and application conditions

- Substrate temperature during application should be at least 3°C (5°F) above dew point
  - Substrate temperature during application and curing should be above -5°C (23°F)
  - Relative humidity during application and curing should not exceed 85%
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## 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
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### 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.)

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### Brush/roller

- Only for touch-up and repair

#### Recommended thinner

THINNER 21-06

#### Volume of thinner

0 - 3%

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# SIGMA NEXEON™ 750

## Cleaning solvent

- THINNER 21-06

## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
75 µm (3.0 mils)	6.9 m <sup>2</sup> /l (278 ft <sup>2</sup> /US gal)
100 µm (4.0 mils)	5.2 m <sup>2</sup> /l (209 ft <sup>2</sup> /US gal)
125 µm (5.0 mils)	4.2 m <sup>2</sup> /l (167 ft <sup>2</sup> /US gal)
150 µm (6.0 mils)	3.5 m <sup>2</sup> /l (139 ft <sup>2</sup> /US gal)

On top of an approved antifouling system and itself					
Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
On top of an approved antifouling system and itself	Minimum	18 hours	12 hours	8 hours	4 hours
	Refloating - Minimum	24 hours	18 hours	12 hours	9 hours

## SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- 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.

## REFERENCES

- Information sheet | Explanation of product data sheets

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



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## AVAILABILITY OF PACKAGING

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

Article code	Color	Reference
315789	Redbrown	200800KR2150
315788	Light grey	500000KR2150

