

# Hempaguard® X7

## Product description

Hempaguard X7 is an extremely effective Fouling Defence coating for a docking interval of up to 90 months. The combination of low friction and effective biocide makes it suitable for any trading pattern as well as extended idle time for the underwater hull of all ship types.

Backed by extensive guarantees, Hempaguard X7 allows flexible trading patterns, delivers a fuel saving of up to 8 percent measured against standard antifouling over 60 months, and extends a fouling resistance guarantee of up to 120 idle days.

## Typical applications

Hempaguard X7 may be specified for maintenance and newbuilding. Specially developed tie coats enable overcoating of existing antifouling and fouling release coatings.



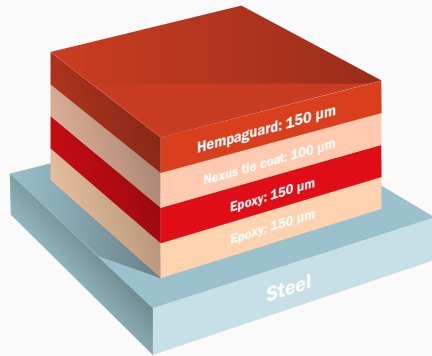
Characteristics	Benefits
Service time up to 90 months	Extended ROI period
Fouling prevention during the entire service interval	Fuel savings up to 8 percent compared to standard antifouling
Long track record	Performance documented in practice
Guaranteed fouling resistance for long idle periods	Flexibility in operation
Combines the best from the hydrogel silicone and biocidal antifouling	Superior fouling control with minimal amount of biocide
Optimized specification	Maximum ROI

# Typical specification

## Example 1

Typical 60 months temperate waters specification for vertical bottom and flatbottom. Service speed 14 knots in worldwide trade.

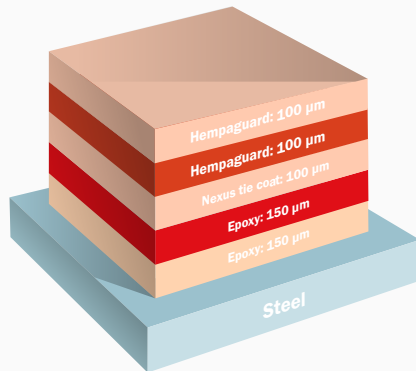
1 x Hempaguard X7 @ 6 mils/150 µm



## Example 2

Typical 60 months tropic water specification for vertical bottom and flatbottom. Service speed 20 knots in warm water.

2 x Hempaguard X7 @ 4 mils/100 µm



Physical constants	
Shade colors/nos:	Red/59161 Black/19740
Volume solids, %:	70 ±1
Theoretical spreading rate:	4.7 m <sup>2</sup> /L - 6 mils/150 micron [188.5 sq.ft./US gallon]
Flash point:	82°F / 28°C
Specific gravity:	1 kg/L [8.6 lbs/US gallon]
Dry to touch:	3 hours at 68°F/20°C
VOC content:	2.2 lbs/US gallon [259 g/L]

For further details see product data sheet.

More info also to be found at:  
[hempaguard.hempel.com](http://hempaguard.hempel.com)

US EPA registered, please contact your local Hempel office for more information. This product should not be used without reference to relevant product data sheet and material safety data sheet, copies of which are available from Hempel upon request.

### Hempel North America Corporate Office

600 Conroe Park North Dr., Conroe, TX 77303

Tel: +1 (936) 523-6000 Email: [hempel.us@hempel.com](mailto:hempel.us@hempel.com) **hempel.us**