



**ATIYEH PAYESH BARAK CHEMICAL COMPANY
(OXsos)**

Marine, Offshore, Industrial & Protective Coatings

Data sheet

OXSOS OPTIMA ANTIFOULING 244

Product Description

A tin free, conventional antifouling pigmented with a combination of biocides for the protection against fouling for periods up to 12 months in areas with moderate to high fouling pressure. The product can be applied on all OXSOS anticorrosive systems.

Physical Properties

<u>Color/Texture</u>	Red Brown (RAL), Dark Brown (RAL) / Matt
<u>Volume Solids</u>	46 %
<u>Specific gravity</u>	1.40 ± 0.05 gr/ml
<u>Flashpoint</u>	>26°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Range	60 - 80	130-175	7.7-5.8
Recommended	70	165	6.1

Note: Specific gravity of paint may vary slightly due to shade difference.

Application Data

<u>Guiding data Airless spray</u>	Pressure at nozzle: 120-180 bar. Nozzle size: 0.41 – 0.58 mm Spray angle: 40 – 80 degrees. Volume of thinner: 1- 3 %.
<u>Brush/Roller</u>	Suitable. Multicoats may be needed to achieve the specified dry film thickness. Volume of thinner: 1 – 5 %
<u>Thinner/ Cleaner</u>	OXSOS Special Thinner T-61. Avoid excessive thinning as it will result in lower Sag resistance and slower cure.

Drying and Recoating Times¹

Substrate temperature	Touch dry	Dry to handle	Hard dry	Dry to recoat	Dry to recoat	Minimum drying time for Undocking ⁽²⁾ -----
				Minimum	Maximum	
10° C	5 hours	8 hours	1days	10 hours	5 days	16 hours
23° C	3 hours	6 hours	1 days	8hours	4 days	16 hours
30° C	2 hours	4 hours	1 days	6 hours	3 days	16 hours
40° C	1 hours	3 hours	1 days	4 hours	2 days	16 hours

(¹): The surface should be dry and free from contaminants prior to over coating.

(²): It is advised to undock the vessel within two days after application of the final layer as prolonged exposure to sunshine might affect the antifouling performance. When in doubt, consult your nearest OXSOS office.

Surface Preparation

Coated substrates

The surface must be dry and free from fouling, salts and other contaminants. Remove Salts and dirt by fresh water washing and hard fouling by scraping. Corroded and or Damaged areas should be repaired first with an appropriate primer system.

Application Conditions

The temperature of the substrate should be at least 10°C and at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. Humidity should be below 80% RH. The maximum recommended surface temperature is approx. 35°C. Higher steel temperature is acceptable provided dry-spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging. When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 10°C; otherwise extra solvent may be required to obtain a proper application viscosity. The maximum temperature of paint before application should be 40°C.

Storage and Shelf Life

This product has the shelf life of 12 months in storage temperature of 10 -30°C. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

Worldwide Availability

The product is part of the common OXSOS product range but local availability is subject to confirmation. Although we strive to supply the same product through the world, slight modifications of the product in some cases may be necessary in order to comply with local conditions and national regulations. In such cases an alternative datasheet will issued.

Health and Safety

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators. As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spraying should be carried out under well-ventilated conditions. THIS product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

Disclaimer

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product without notice.

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