



ATIYEH PAYESH BARAK CHEMICAL COMPANY
(OXsos)

Marine, Offshore, Industrial & Protective Coatings

Data sheet

OXSOPOXY MARINE TOPCOAT 360-series

Product Description

An epoxy topcoat for use on boot top, topside, decks and superstructure Good resistance against weathering and the spillage of solvents, lubricants and chemicals. Epoxy based Finish cures to a tough and flexible coating and provides excellent adhesion to epoxy priming systems.

Physical Properties

<u>Color/Texture</u>	White (9010) / Semi- Gloss-other colors or specifications will be available According to customer's request.
<u>Volume Solids</u>	54%
<u>Specific gravity</u>	1.35 ± 0.05 gr/ml
<u>Flashpoint</u>	>25°C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Range	40 - 60	80-120	12.0 – 8.0
Recommended	50	100	9.0

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

Application Data

<u>Mixing ratio</u>	by wt. base to hardener: 80 to 20.			
<u>Pot life</u>	10°C: 12 hours	23°C: 8 hours	30°C:6 hours	40°C: 3 hours
<u>Guiding data Airless spray</u>	Pressure at nozzle: 120-180 bar.		Nozzle size: 0.38 – 0.53 mm	
	Spray angle: 60 – 80 degrees.		Volume of thinner: 0 – 3 %.	
<u>Guiding data Air spray</u>	Pressure: 3-5 bar. Nozzle size: 1.2 –2.0 mm. Volume of thinner: 0 –5 %			
<u>Brush/Roller</u>	Suitable. Volume of thinner: 0 – 5 %			
<u>Thinner/ Cleaner</u>	OXOS epoxy Thinner T-63. Avoid excessive thinning as it will result in lower Sag resistance and slower drying.			

Drying and Recoating Times¹

Substrate temperature	Touch dry	Dry to handle	Hard dry	Dry to recoat	Dry to recoat
				Minimum	Maximum ⁽²⁾
10° C	5 hours	14 hours	6 days	24 hours	Indefinite
23° C	4 hours	12 hours	4 days	16 hours	Indefinite
30° C	3 hours	8 hours	3 days	10 hours	Indefinite
40° C	2 hours	5 hours	2 days	8 hours	Indefinite

(¹): The surface should be dry and free from contaminants prior to over coating. After prolonged exposure times it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest OXSOS office.

(²): The surface should be dry and free from contaminants prior to over coating. The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure times it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest OXSOS office.

Surface Preparation

Coated Substrates

Existing systems should be dry and free from loose paint, salt, grease and other contaminants prior to over coating. Oil and grease should be removed by solvent cleaning according to SSPC-SP1. Remove salts dirt by fresh water washing. Corroded 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.

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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