

Product Data Sheet

FOXAZINC (OX-303)

Inorganic Zinc-Rich Silicate

PRODUCT DESCRIPTION	Two components moisture curing zinc rich ethyl silicate primer.
RECOMMENDED USE	As a primer with recommended topcoat to provide excellent protection to steel substrates, for use with a wide range of high performance systems in offshore and onshore environments including structural steelwork, chemical exposure, tank exterior, piping and marine exposure above the saltwater splash zone.
CHARACTERISTICS	<ul style="list-style-type: none"> • Zinc content in dry film 87% by weight. • Tolerate surface temperature up to 400⁰C. • High zinc content provides long-term corrosion protection. • Not recommended for immersion service in acid or alkaline solution. • Good abrasion resistance and minimum burn-back during welding.

PHYSICAL DATA	Colour	Grey	
	Gloss Level	Flat	
	Volume Solid	Approx. 63%	
	Dry Film Thickness	65 microns per coat	
	Number of Coat	1	
	Theoretical Coverage	9.70 sq.m/l for 65 microns	
	Temperature Resistance	400 ⁰ C	
	VOC	485 g/l	: 1 4 0
	Flash Point	Liquid Powder : 65 ⁰ C	C
	Shelf Life	Liquid at least 9 months Powder at least 12 months	
	Pack Size		: 3 . 8 5 lit r e s in 5 l pl a st ic
	5 litres unit	Liquid	

Powder : 1.15 litres in 2.5 l can,
approx.

SURFACE PREPARATION

Dry abrasive blast in accordance with ISO – Sa 2.5 or SSPC – SP 10 “Near White”. Blast to achieve a 25 – 50 microns anchor profile as indicate with a Keane Tator Surface Profile Comparator. Remove abrasive residue or dust from surface.

APPLICATION DATA

Application Methods

Airless
Spray
Nozzle Tip 0.46 - 0.58 mm (0.018 – 0.023 inch)
Nozzle Pressure 10 MPa (approx. 1400 psi)
Conventional Spray
Nozzle Tip 1.8 – 2.0 mm (0.071 – 0.079 inch)
Nozzle Pressure 0.3 MPa (approx. 43 psi)
Use pressure pot and agitator

Mixing Ratio By Volume

Liquid : Powder = 3.85 l : 8.1 kgs

Add the powder gradually to the container with base, using a mechanical mixer. Continue stirring until powder is well dispersed.

Strain through a 30 – 60 mesh screen. Thin only for work ability, do not use more than 10%. Continue slow stirring during application to maintain uniformity of mixed product.

Do not keep mixed product, which will not be used before the end of the pot life in tightly closed containers as gassing can create enough pressure to cause containers to burst. Cover containers loosely.

Thinner	FOXANER 003
Surface Temperature	Should be 10 ⁰ C – 50 ⁰ C, at least 3 ⁰ C above the dew point to prevent condensation
Drying Time	
Touch Dry	10 minutes at 25 ⁰ C, 5 minutes at 32 ⁰ C
Through Dry	20 minutes at 25 ⁰ C, 10 minutes at 32 ⁰ C
To Topcoat	16 hours at 25 ⁰ C, 7 hours at 32 ⁰ C
Pot Life	24 hours at 25 ⁰ C, 12 hours at 32 ⁰ C
Limitation	
	Normal recommended dry film thickness 65 microns, allowable thickness range is 50 – 150 microns, assuming the surface profile is within the recommended range. Greater thickness may occur mud cracking. Zinc rich primers can form zinc salts on the surfaces, before over coating visible surface contamination must be removed by high pressure water cleaning, sweep blasting or mechanical cleaning.

SYSTEM COMPATIBILITY

Before over coating with recommended topcoat ensure the **OX-303;FOXAZINC** is fully cured and if weathering has occurred all zinc salt should be removed from the surface by fresh water washing, and if necessary scrubbing with bristle brushes.

In some cases it may be necessary to apply a mist coat of suitable viscosity to minimise bubbling. This will depend upon the age of the **OX-303;FOXAZINC**, surface roughness and ambient conditions during curing and application.

For other suitable intermediates or topcoat, please consult FOXAPAINTE Industrial Coating.

SAFETY PRECAUTION

OX-302; FOXAZINC Liquid
Flammable, keep away from heat, sparks and Open flame. Liquid irritating to eyes and may cause skin irritation. Avoid breathing of vapour or spray mist.

OX-302; FOXAZINC Powder
Will support combustion. Contains zinc dust, dust can be harmful. Mixtures have hazardous of both components. Use only with adequate ventilation during mixing, application and drying. Do not leave mixed product in sealed container beyond the expected pot life as gassing may cause container to burst.

DISCLAIMER

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.

ISSUED: January 2006

FOXAPRO 200 (OX-401)

High Temperature Silicone Acrylic