



**PAINTS**

# OASIS EPOXY HIGH BUILD MIO PRODUCT DATA SHEET

<b>FULL DESCRIPTION</b>	OASIS EPOXY HIGH BUILD MIO ZINC PHOSPHATE PRIMER/BUILD COAT.			
<b>MATERIAL TYPE</b>	High solids two pack epoxy zinc phosphate primer/buildcoat containing micaceous iron ore.			
<b>RECOMMENDED USE</b>	Corrosion protection of carbon steel surfaces prepared by abrasive blast cleaning. Can be applied between 125-250µ dry film thickness in a single coat application and suitable for both primer and buildcoat. To prevent loss of colour and gloss, use UV light stable finish coat.			
<b>APPLICATION METHODS</b>	Airless Spray	Brush		
	Conventional Spray	Roller		
<b>COLOUR AVAILABILITY</b>	MIO shades R8050 and R8051			
<b>FLASH POINT</b>	Base: 25°C		Additive: 25°C	
<b>SOLIDS BY VOLUME</b>	75 ± 3% (ASTM-D2697-91).			
<b>TYPICAL THICKNESS</b>	Dry film thickness 125 microns	Wet film thickness 166 microns	Theoretical coverage 6.0 m <sup>2</sup> /litre	
	Theoretical coverage makes no allowance for surface profile, uneven application, over spray or losses in containers and equipment.			
<b>PRACTICAL APPLICATION RATES - microns per coat</b>		Airless Spray	Conventional Spray	Brush      Roller
	Dry	125	125	50      65
	Wet	166	166	67      87
<b>AVERAGE DRYING TIMES @</b>	15°C	25°C	35°C	
To touch	8 hours	4 hours	2 hours	
To recoat	24 hours	12 hours	6 hours	
	These figures are given as a guide only. Factors such as air movement and humidity must also be considered.			
<b>RECOMMENDED THINNER</b>	Thinner No. 5			
<b>RESISTANCE TO</b>	Moisture	Excellent	Aliphatic solvents	Excellent
	Acid spillage	Moderate	Abrasion	Excellent
	Alkali spillage	Excellent	Weather	Excellent
	Petroleum solvents	Excellent	(Subject to chalking and yellowing)	
<b>RECOMMENDED TOPCOATS</b>	Indefinitely overcoatable with epoxy systems provided that the surfaces to be coated have been suitably cleaned. Where high degrees of gloss and colour retention are required, it should be over coated with polyurethane topcoats with minimum dft of 50µ. To achieve optimum adhesion, overcoating should be undertaken within 7 days at 25°C or within 4 days at 35°C.			
<b>POT LIFE</b>	15°C	25°C	35°C	
	4 hours	2 hours	1 hour	
<b>PACKAGE</b>	A two component material supplied in separate containers to be mixed prior to use.			
Pack Size	20 litre and 4 litre units when mixed.			
Mixing Ratio	3 parts base to 1 part additive by volume.			
Weight	1.6 kg/litre (may vary with shade).			
Shelf Life	Minimum 2 years.			

## **SURFACE PREPARATION :**

Ensure surfaces to be coated are dry and free from all traces of surface contaminants

## **APPLICATION EQUIPMENT:**

<b>Airless Spray</b>	<b>: For wft of 75 – 125 μ</b>	<b>For wft of 125 – 350 μ</b>	<b>For wft of 350 - 450 μ</b>
Nozzle Size	: 0.33 – 0.38 (13 – 15 thou)	0.38 – 0.46 (15 – 18 thou)	0.46 – 0.53 (18-21 thou)
Fan Angle	: 40°	40°	40°
Operating Pressure	: 155kg/cm <sup>2</sup> (2200psi)	155kg/cm <sup>2</sup> (2200psi)	155kg/cm <sup>2</sup> (2200psi)

It can be also used for Auto spray system with a suitable application conditions.

## **Conventional Spray**

Nozzle Size : 1.27mm (50 thou)  
Atomising Pressure : 2.8kg/cm<sup>2</sup> (40 psi)  
Fluid Pressure : 0.4kg/cm<sup>2</sup> (10 psi)

The details given above are intended as a guide only. In case of any difficulties or queries, please contact Al Gurg Leigh's Paints' Regional Technical Centre.

## **Brush and Roller**

The material is suitable for brush and roller application to a small areas.

## **APPLICATION CONDITIONS AND OVERCOATING:**

For application , thinning with up to 10% with Thinner No. 5 may be required.  
In conditions of high relative humidity, i.e. 80-85% good ventilation is essential.  
To overcoat outside the times stated on the data sheet, please seek the advice of Al Gurg Leigh's Paints' Regional Technical Centre.

## **ADDITIONAL NOTES:**

Drying, curing and pot life times should be considered as a guide only.  
The curing reaction of epoxies commences immediately the two components are mixed.  
Due to the reaction being temperature dependant, the curing and pot life will be approximately halved by a 10°C increase in temperature and doubled by a 10°C decrease in temperature.

## **HEALTH AND SAFETY:**

Consult Product Health & Safety Data Sheet for information on safe handling and application of this product.

*For Further Information please contact :*



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