



# TECHNICAL DATA

## PRODUCT: OASIS EPOXY ZP PRIMER 8730

<b>Description</b>	:	Oasis Epoxy ZP Primer 8730 is high solids two pack polyamide cured epoxy zinc phosphate primer. It is used for Corrosion protection of carbon steel surfaces prepared by abrasive blast cleaning. It is also suitable for use under appropriate coating systems for exposed or immersed conditions and patch primer for the repair of damaged surfaces.			
<b>Volume Solids (%)</b>	:	73±3%			
<b>Flash Point</b>	:	Base - 29°C	Additive – 26 °C		
<b>Specific Gravity (Kg/Ltr)</b>	:	1.48 (Mixed) may vary with shade			
<b>V.O.C.</b>	:	237 gms/ltr			
<b>Colours</b>	:	Grey, Red Oxide, offwhite			
<b>Pack Size</b>	:	5Ltrs and 20 Ltrs			
<b>Mixing Ratio</b>	:	5 parts base to 1 part additive by volume			
<b>Theoretical Spread Rate (m<sup>2</sup>/Ltr)</b>	:	9.70 m <sup>2</sup> /Ltr	5.84 m <sup>2</sup> /Ltr	4.86 m <sup>2</sup> /Ltr	3.65 m <sup>2</sup> /Ltr
<b>@ Dry Film Thickness</b>	:	75 µm	125 µm	150 µm	200 µm
<b>@ Wet Film Thickness</b>	:	102 µm	171 µm	205 µm	274 µm
		<i>Spreading rates are calculated and due allowance for loss and wastage should be made.</i>			
<b>Drying Time @ temperature</b>	:	15°C	25°C	35°C	
<b>To Touch</b>	:	2Hrs	1.5 hrs	1hr	
<b>To Overcoat (Minimum)</b>	:	6 Hrs	4 Hrs	3Hr	
		These figures are given as a guide only. Factors such as air movement and humidity must also be considered.			
<b>Cleanser or Thinner</b>	:	Thinner # 5			
<b>Pot Life</b>	:	15°C 6 hours	23°C 4 hours	35°C 2 hours	
<b>Recommended top coats</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, this primer should be overcoated with Oasis Polyurethane range of coatings. Topcoats should be applied at a minimum dft of 50µm. To achieve optimum adhesion, overcoating should be undertaken within 7 days at 23°C or within 4 days at 35°C.			
<b>Application Notes</b>	:	Dilution up to 5-15 % by volume may be required according to type of equipment and application method and DFT requirement			
<b>Application Methods</b>	:	Airless spray, Conventional Spray, Roller, Brush			
<b>Surface Preparation</b>	:	Blast clean to Sa 2½ BS 7079: Part A1: 1989 (ISO 8501-1: 1988). Average surface profile in the range 30-50 µm. It can be applied over a wide range of pre-fabrication primers, including inorganic zinc silicate, polyvinyl butyral and epoxy types.			

## SAFETY, HEALTH & ENVIRONMENTAL INFORMATION (READ THIS SECTION BEFORE USE) SOLVENT BASED PAINT PRODUCT

- Flammable. Keep away from sources of ignition. Do not smoke.
- Work only in areas of good ventilation. When used indoors always keep doors and windows fully open during application and drying. When applying for short periods only, a suitable cartridge mask may be worn provided the filter is changed regularly. All respiratory equipment must be suitable for the purpose and meet an appropriate standard approved by the HSE. Refer to your COSSH Assessment.
- When applying paint it is advisable to wear suitable eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove splashes from skin : use soap and water or a recognised skin cleaner.
- Keep container tightly closed and keep out of reach of children. Do not use or store by hanging on a hook. Do not empty into wadis, drains or watercourses.
- Contains no added mercury.

\*This data is subject to change without notice. Please ensure you have the latest copy by checking with our Customer Service Department.

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### SURFACE PREPARATION

For better performance we recommend blast clean to Sa2.5 BS 7079: Part A1: 1989 (ISO 8501-1: 1988). Average surface profile in the range 30-50 µm. Manually prepared surfaces should be to a minimum standard of St 3 BS 7079: Part A1: 1989 at the time of coating. Ensure surfaces to be coated are dry and free from all traces of surface contaminants.

### APPLICATION EQUIPMENT

#### Airless Spray

Nozzle Size	0.36mm (17 thou) – 0.57mm (23 thou)
Fan Angle	20° - 60°
Operating Pressure	110kg/cm <sup>2</sup> - 160kg/cm <sup>2</sup>

The airless spray details given above are intended as a guide only. Fluid hose length and diameter, paint temperature and project complexity all have an effect on the choice of spray tip and operating pressure. The operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions vary, it is the applicators' responsibility to ensure that the equipment in use has been adjusted to give optimum performance. In case of any difficulties or queries, please contact Al Gurg Paints L.L.C.

#### Conventional Spray

Nozzle Size	1.50mm – 2.0mm
Atomising Pressure	2.8kg/cm <sup>2</sup> – 3.5kg/cm <sup>2</sup>
Fluid Pressure	0.4kg/cm <sup>2</sup> (6 psi)

The conventional spray details given above are intended as a guide only. It may be found that in some circumstances, slight variations in atomising pressure, fluid pressure and alteration of tip arrangements may provide optimum atomisation. For application by conventional spray, thinning with up to 15% Thinner No. 5 may be required. Adjustment for wet film thickness should be allowed. Thinning will affect VOC compliance.

#### Brush and Roller

The material is suitable for brush and roller application. Application of more than one coat may be required to give the equivalent dry film thickness to one spray applied coat.

### APPLICATION CONDITIONS AND OVERCOATING:

In conditions of high relative humidity, i.e. 80-85% good ventilation is essential. Substrate temperature should be at least 3°C above the dew point. At application temperatures below 10°C, drying times will be significantly extended and spraying characteristics may be impaired. Application at temperatures below 5°C is not recommended. In order to achieve optimum water and chemical resistance the temperature needs to be maintained above 10°C whilst curing. For application at elevated temperatures, please see the note below.

### ADDITIONAL NOTES

Drying, curing times should be considered as a guide only. For spraying maximum 5 to 15% dilution is recommended.

### Epoxy Coatings - Tropical Use

To ensure a satisfactory working pot life, the temperature of Oasis Epoxy ZP Primer 8730 should not exceed 35°C at the time of mixing. Thinning the mixed product at any stage will not significantly extend the working pot life. Application outside the working pot life, even if the material appears to be fit for use, may result in inferior adhesion properties. The recommended maximum air and substrate temperature for the application of epoxies is 45°C, providing that the conditions allow for satisfactory application and film formation. If the air and substrate temperatures exceed 45°C during application, paint film defects such as dry spray, bubbling and pinholing etc. may occur. Numerical values quoted for physical data may vary slightly on individual batches.

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