

TECHNICAL DATA



PRODUCT: OASIS Q.D. SPECIAL PRIMER

Description	:	Oasis Q.D Special Primer is specially developed zinc phosphate primer for structural steel works, tanks, and gas bottles etc. The unique properties of the alkyd make the paint to dry very fast. Ideally suited for application to blast cleaned steel structures although it may be applied to manually prepared surfaces.			
Volume Solids (%)	:	55±3			
Flash Point	:	Above 25°C			
Specific Gravity (Kg/Ltr)	:	1.3 to 1.4 (May vary with shade)			
Colours	:	Red Oxide, Grey & White			
Pack Size	:	1 USG and 5 USG			
Theoretical Spread Rate (m²/Ltr)	:	13.75 m ² /Ltr	11 m ² /Ltr	9.2 m ² /Ltr	7.4 m ² /Ltr
@ Dry Film Thickness	:	40 µm	50 µm	60 µm	75 µm
@ Wet Film Thickness	:	72 µm	91 µm	109µm	136µm
		<i>Spreading rates are calculated and due allowance for loss and wastage should be made.</i>			
Drying Time @ temperature	:	15°C	25°C	35°C	
To Touch	:	20 min	10 min	5 min	
To Overcoat (Minimum)	:	5 Hrs	2 Hrs	1Hr	
		These figures are given as a guide only. Factors such as air movement and humidity must also be considered.			
Cleanser or Thinner	:	Thinner # 2 or 29 (Thinner 29 to be used at lower temperature application)			
Application Notes	:	For spraying 10% dilution is recommended, whereas up to 75 % dilution by volume may be required for dipping.			
Application Methods	:	Conventional, airless spray, or dipping			
Surface Preparation	:	Ensure surface is dry and free of oil, grease, rust, dust, loose particles, powder paint, etc.			
Recommended topcoat	:	Indefinitely over coatable with QD primer and enamel systems provided that the surfaces to be coated have been suitably cleaned.			
Shelf Life	:	Minimum 1 year			

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 Sa 1 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	0.32mm0.53mm (13-21 thou)
Fan Angle	20-40°
Operating Pressure	155kg/cm ² (2200psi)

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	1.27mm (50 thou)
Atomising Pressure	2.8kg/cm ² (40 psi)
Fluid Pressure	0.4kg/cm ² (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 10% Thinner No. 2 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 10% dilution is recommended, whereas up to 75 % dilution may be required for dipping.

Epoxy Coatings - Tropical Use

To ensure a satisfactory working pot life, the temperature of Oasis Mastic Epoxy 850 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.

HEALTH AND SAFETY:

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

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