

TECHNICAL DATA

PRODUCT: OASIS 8984 EPOXY ZINC RICH PRIMER

Description	OASIS 8984 EPOXY ZINC RICH PRIMER.		
Material Type	A two Pack epoxy zinc rich anticorrosive primer. It cures to hard wearing and highly weather-resistance coating. Offer cathodic protection of local mechanical damage.		
Recommended Use	As a "V.O.C. compliant, versatile, long term primer on steel for epoxy, vinyl and acrylic coating systems in medium to serve environment. In Compliance with SSPC-Paint 20 , type 2, Level 2 and ISO 12944-5.		
Volume Solids (%)	60 ± 3% (ASTM-D2697-91)		
Flash Point	Base: 9°C	Additive : 9°C	
Specific Gravity (Kg/Ltr)	2.80 (Mixed) may vary with shade.		
V.O.C.	397 gms/litre		
Colours	Grey and Blue.		
Pack Size	10 Litre and 4 Litre units when mixed.		
Shelf Life	Minimum 1 years		
Mixing Ratio	3 parts base to 1 part additive by volume		
Theoretical Spread Rate (m ² /Ltr)	12.0 m ² /Litre		
@ Dry Film Thickness	50 µm		
@ Wet Film Thickness	81 µm		
	<i>Spreading rates are calculated and due allowance for loss and wastage should be made.</i>		
Drying Time @ temperature	15°C	23°C	35°C
To Touch	10 mins	5 mins	3 mins
To Overcoat (Minimum)	4 hours	4 hours	3 hours
To Handle	16 hours	16 hours	12 hours
	These figures are given as a guide only. Factors such as air movement and humidity must also be considered.		
Cleanser or Thinner	Oasis Thinner No: 5		
Pot Life	15°C 10 hours	23°C 8 hours	35°C 4 hours
Resistance To	Moisture – Good . Abrasion – Good .	Weather - Excellent (Subject to Zinc Salt).	
Recommended Top Coats	Indefinitely overcoatable with epoxy systems provided a minimum of 50 microns dft is obtained. Do not overcoat with paints containing saponifiable resins such as oleo-resinous or alkyd based paints unless a non-saponifiable resin based barrier coat has been applied first.		
Application Notes	Dilution up to 5-10 % by volume may be required according to type of equipment and application method.		
Application Methods	Airless spray, Brush (for Small areas and touch up only.		

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 COSHH 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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APPLICATION DATA

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SURFACE PREPARATION

For better performance we recommend blast clean Blast clean to Sa 2½ BS 7079: Part A1: 1989 (ISO 8501-1: 1988). Average surface profile in the range 50 - 75µm. Manually prepared surfaces should be to a minimum standard of St 3 BS 7079: Part A1 : 1989 , feathering off the edges of intact galvanizing surrounding such areas and then brush apply primer. For large areas it is recommended that the surface is flash blasted and the primer applied by the desired method. 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	0.38mm (15 thou)
Fan Angle	40°
Operating Pressure	115kg/cm ² (1600psi)

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 atomization. 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.

Nozzle Size: When using high solid coatings like Oasis 8984 Zinc Rich Primer, painters must use finer spray tips than previously to compensate for the natural tendency to towards over application and to achieve good wet film thickness.

Brush

The material is suitable for brush application to small areas only. 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,

The curing reaction of epoxies commences immediately the two components are mixed. Due to the reaction being temperature dependant, the curing and potlife will be approximately halved by a 10°C increase in temperature and doubled by a 10°C decrease in temperature.

Exposure to Weathering:

If Oasis 8984 is exposed to weather there is a risk of the formulation of zinc salts on the surface, which must be removed by flash blasting or washing down with prior to overcoating, otherwise the intercoat adhesion may be adversely affected.

The nature of zinc salt formation may vary from one location to another. Under severe conditions eg. Marine coastal, Offshore or heavy industrial areas it is strongly recommended that overcoating takes place within 7 days.

Epoxy Coatings – Colour Stability:

Variable colour stability is a feature of all epoxy materials, which tend to yellow and darken with age particularly when used on internal areas. Owing to this colour change, areas subsequently touched up may be obvious.

When epoxy material are exposed to ultraviolet light, a surface chalking effect will develop. The phenomenon results in the formation of fine powder coating at the coating surface, which gives rise to a colour variation as well as a reduced gloss.

This effect is cosmetic only and in no way detracts from the performance of the product. Or Specification.

Should a full colour stable finish be required, Please follow recommendation in the recommended topcoat section.

Epoxy Coatings - Tropical Use

To ensure a satisfactory working pot life, the temperature of Oasis 8984 Epoxy Zinc Rich Primer 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.

Over application of Oasis Zinc Rich Primer 8984 should be avoided.

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