



TECHNICAL DATA

PRODUCT: OASIS 8505 Heat Resisting Matt Finish

Description	:	OASIS 8505 HEAT RESISTING MATT FINISH			
Material Type	:	An Air Drying Modified Polysiloxane Resin Based Material.			
Recommended Use	:	For application to steel surfaces previously coated with Oasis Zinc Silicates or Zinc or Aluminium Spray, where heat resistance is required.			
		No Significant Discoloration		Slight Discoloration	
		RED	225°C		250°C
		WHITE	250°C		350°C
		BLACK	250°C		350°C
		GREY	250°C		350°C
		ALUMINIUM	600°C		See Additional Note below
Volume Solids (%)	:	31% ± 2% (ASTM-D2697-91)			
Flash Point	:	28°C			
Specific Gravity (Kg/Ltr)	:	1.22 (May vary with shade)			
V.O.C.	:	600 gram/Litre			
Colours	:	Red, White, Black, Grey, Aluminium			
Pack Size	:	20 Litre and 5 Litre units.			
Shelf Life	:	Minimum 2 years.			
Package	:	Single Component Material.			
Theoretical Spread Rate (m ² /Ltr)	:	12.3 m²/Litre			
		Airless Spray	Conventional Spray	Brush	Roller
@ Dry Film Thickness	:	81 µm	81 µm	81 µm	81 µm
@ Wet Film Thickness	:	25 µm	25 µm	25 µm	25 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	:	1 ½ hours	1 Hours	45 minutes	
To Overcoat (Minimum)	:	6 hours	4 hours	3 hours	
To Handle	:	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.			
Cleanser or Thinner	:	Oasis Thinner No: 2			
Resistance To	:	Moisture – Good* (See Additional Notes Post Curing)		Weather - Good	
		Abrasion – Good		Heat - Excellent	
Recommended Primers	:	Oasis Zinc Silicate 85 and Oasis Zinc Silicate 87 (up to 400°C)			
Recommended Top Coats	:	Not normally required but indefinitely overcoatable with itself.			
Application Methods	:	Airless spray, Conventional Spray, Brush, Roller.			

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.

April 2016
Issue 1: Revision:1



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APPLICATION DATA

PRODUCT: OASIS 8505 Heat Resisting Matt Finish

SURFACE PREPARATION

Ensure surfaces to be coated are dry and free from all visible traces of surface contaminants. Any contamination of metal spray will prevent the 8505 film penetrating, leaving it sitting on top therefore prone to blowing off.

Oasis 8505 is not designed to provide anticorrosive protection, but it is possible to apply the product in 2 coats directly onto blast cleaned steel Blast clean to (Sa 2½ BS 7079: Part A1: 1989 (ISO 8501-1: 1988) provided it is put into service quickly and kept at elevated temperatures. Steelwork coated with 8505 Should not be exposed to moisture prior to putting into service (See additional notes-Post Curing).

APPLICATION EQUIPMENT

Airless Spray

Nozzle Size	0.46mm (18 thou)
Fan Angle	60°
Operating Pressure	140kg/cm ² (2000psi)

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)
Fan Angle	3.5 kg/cm ² (50 psi)
Operating Pressure	0.1 kg/cm ² (2psi)

The conventional spray details given above are intended as a guide only. It may be found that, in some circumstances, slight variation in atomizing pressure, fluid pressure and alteration of tip arrangements may provide optimum atomization.

Brush or Roller

The material is suitable for brush and roller application.

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. If it desired to overcoat outside the times stated on the data sheet, please seek the advice of Al Gurg Paints Technical Centre.

For Full notes, see data sheet entitled 'Spreading Rates and Overcoating Times'.

ADDITIONAL NOTES

Over Application

Over Application of Oasis 8505 must be avoided. If the recommended film thickness is exceeded, adhesion may be reduced especially when exposed to high temperatures.

Adhesion of 8505 may be adversely affected if the applied film is subjected to a very rapid rise in temperature when first brought into high temperature service. This is due to thermal shock effects. Post curing of the applied film is therefore recommended –see note below.

Post Curing

If Oasis 8505 is to be exposed to ambient weathering or moisture service, it is required that the coating is post cured by gradually elevating the temperature to a minimum of 250°C and maintaining this temperature for 2 hours.

Numeric values are quoted for physical data may vary slightly on individual batches.

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