



# TECHNICAL DATA

## PRODUCT: OASIS 817 SILANE/SILOXANE SOLUTION

Description	:	OASIS 817 Silane/Siloxane Solution		
Material Type	:	A silane siloxane based clear penetrating solution that promotes the adhesion of concrete coating system.		
Recommended Use	:	As a sealant for new concrete or as part of a breathable carbon dioxide and chloride ion resisting coating system. May be applied on fully cured, dry, old or weathered concrete if sufficient time for 817 to react with humidity in the air is allowed, before applying finish. Particularly suitable for road bridges, port facilities and marine concretes. Effective on micro cracks up to 0.3mm.		
Volume Solids (%)	:	5% and 10% strength solutions are available (Above figures are theoretical)		
Specific Gravity (Kg/Ltr)	:	0.89		
V.O.C.	:	5%: 830 gram/Litre	10%: 785 gram/Litre	
Flash Point	:	43°C		
Colours	:	Clear		
Pack Size	:	200 Litre, 20 Litre and 5 Litre units.		
Shelf Life	:	Minimum 2 years		
Package	:	Single Component Material		
Theoretical Spread Rate (m <sup>2</sup> /Ltr)	:	5.0 – 10.0m <sup>2</sup> /Litre		
Rates -microns Per Coat	:	This figures will vary depending upon the porosity of the concrete substrate. 817 should be flooded onto the surface and allowed to soak in.		
Drying Time @ temperature	:	15°C	23°C	35°C
To Touch	:	20 minutes	10 minutes	5 minutes
To Overcoat	:	8 hours	4 hours	2 hour
	:	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: 3		
System Topcoat	:	Oasis 820 Sheen Masonry Finish	Oasis Texcoat	
Application Methods	:	Conventional Spray, Brush and flood coating		

## 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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# APPLICATION DATA

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### SURFACE PREPARATION

New Concrete should be allowed to cure for at least 4 weeks prior to any painting works. It is recommended that prior to any coating application, the substrates should be checked for moisture content. Moisture content should be measured as being less than 20%. If the moisture content is found to be higher, more drying out time should be allowed.

Oasis 817 will actually help to further reduce the moisture content of concrete substrates, by promoting moisture vapour transmission.

For new concrete or other cementitious substrates, it is essential that all laitance, from oils, curing chemicals and release agents are removed.

For old and previously painted substrates, it is recommended that all loose and friable materials be removed by mechanical cleaning.

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

For further details and assessment of individual contract requirements, contact Al Gurg Technical Centre for advice.

For sandy and absorbent substrates Oasis 819 masonry sealer should be used as a stabilizer.

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### APPLICATION EQUIPMENT

#### Airless Spray

Nozzle Size	1.27mm (50 thou)
Fluid pressure	0.7-1kg/cm <sup>2</sup> (10-15 psi)
Operating Pressure	3.5kg/cm <sup>2</sup> (50 psi)

The Conventional spray details given above are intended as a guide only. 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.

#### Brush or Roller

The material is suitable for brush roller and flood coating application.

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### 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 temperature below 5°C is not recommended.

Application at elevated temperatures, please see note below.

The overcoat outside the times stated on the data sheet, please seek the advice of Al Gurg Paints Regional Technical Centre.

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

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### ADDITIONAL NOTES

Drying times should be considered as a guide only.

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

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### HEALTH AND SAFETY

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

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