

TECHNICAL DATA

PRODUCT: OASISDEK 8377 FLIGHT DECK

Description	: OASISDEK 8377 FLIGHT DECK		
Material Type	: A formulated two pack epoxy deck coating with a suitable profile and coefficient of friction to comply with current UK MOD (N) requirement for flight and weather decks.		
Recommended Use	: As a Non skid material to be applied over suitably primed surfaces of steel or aluminum. May be used on suitably prepared concrete substrates.		
Volume Solids (%)	: 62 ± 3% (ASTM-D2697-91)		
Flash Point	: Base: 24°C		Additive : 24°C
Specific Gravity (Kg/Ltr)	: 1.71 (Mixed) may vary with shade		
V.O.C.	: 330 gms/litre		
Colours	: Limited range.		
Pack Size	: 5 Litre and 20 Litre units when mixed.		
Shelf Life	: Minimum 2 years		
Mixing Ratio	: 4 parts base to 1 part additive by volume.		
Theoretical Spread Rate (m ² /Ltr)	: 2.5 m²/Litre		
	Spray	Brush	
@ Dry Film Thickness	: 250 µm	125 µm	
@ Wet Film Thickness	: 403 µm	202 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	: 4 hours	3 hours	2 minutes
To Overcoat (Minimum)	: 6 hours	4 hours	3 hours
To Handle	: 24 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	23°C	35°C
	3 hours	2 hours	1 hour
Resistance To	: Moisture - Excellent	Weather - Excellent (Subject to chalking).	
	Abrasion - Excellent	Petroleum Solvents - Excellent	
Recommended Primer	For Steel: Oasis 8425 Zinc Phosphate Primer		
Application Notes	: Dilution up to 5 % by volume may be required according to type of equipment and application method.		
Application Methods	: Spray, Brush.		

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

Ensure surfaces to be coated are dry and free from all traces of surface contaminants
For application onto concrete substrates, consult Al Gurg Paints Technical Centre for full scheme details.

APPLICATION EQUIPMENT

Spray

The recommended spray gun is a sagola 429 / N , with a 4mm tip. Please consult Al Gurg Paints Technical Centre for further advice.

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.

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

For Full Notes, see information sheet entitled ' Spreading Rates and Overcoating Times'.

ADDITIONAL NOTES

Drying, curing times should be considered as a guide only.

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.

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.

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 Oasisdek 8377 Flight Deck 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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