

OASIS EPOXY HIGH BUILD PRODUCT DATA SHEET

Brush

Roller

FULL DESCRIPTION MATERIAL TYPE RECOMMENDED USE OASIS EPOXY HIGH BUILD ZINC PHOSPHATE PRIMER/BUILDCOAT.

High solids two pack epoxy zinc phosphate primer/buildcoat.

Corrosion protection of carbon steel surfaces prepared by abrasive blast cleaning. Can be applied between 75-350µ dry film thickness in a single coat application and suitable for accelerated curing for up to 110 deg. C. To prevent loss of colour and gloss, use UV light stable finish coat. Tolerant to application

over manually prepared surfaces.

APPLICATION METHODS Airless Spray

Roller Conventional Spray

COLOUR AVAILABILITY Limited range

FLASH POINT Base: 25°C Additive: 25°C

SOLIDS BY VOLUME $75 \pm 3\%$ (ASTM-D2697-91).

Wet film thickness Theoretical coverage **TYPICAL THICKNESS** Dry film thickness

> 250 microns 333 microns 3.0 m²/litre

Brush

Theoretical coverage makes no allowance for surface profile, uneven application, over spray or

losses in containers and equipment.

PRACTICAL APPLICATION

Airless Spray Conventional Spray RATES - microns per coat Dry 250 100 50 65 Wet 333 133 67 87

AVERAGE DRYING TIMES @ 15℃

25℃ 35℃ 100℃ To touch 8 hours 4 hours 2 hours 12-15 minutes To recoat 24 hours 12 hours 6 hours 20-30 minutes

These figures are given as a guide only. Factors such as air movement and humidity must also

be considered.

RECOMMENDED THINNER Thinner No. 5

RESISTANCE TO Moisture Excellent Aliphatic solvents Excellent Excellent Moderate Abrasion

Acid spillage Excellent Weather Excellent Alkali spillage

Petroleum solvents Excellent (Subject to chalking and yellowing)

RECOMMENDED TOPCOATS Indefinitely overcoatable with epoxy systems provided that the surfaces to be

coated have been suitably cleaned. Where high degrees of gloss and colour retention are required, it should be overcoated with polyurethane topcoats with minimum dft of 50µ. To achieve optimum adhesion, overcoating should be

undertaken within 7 days at 25°C or within 4 days at 35°C.

15°C 25°C 35°C **POT LIFE**

> 8 hours 4 hours 2 hours

A two component material supplied in separate containers to be mixed prior to **PACKAGE**

use.

20 litre and 5 litre units when mixed. Pack Size 9 parts base to 1 part additive by volume. Mixing Ratio

Weight 1.6 kg/litre (may vary with shade).

Shelf Life Minimum 2 years.

SURFACE PREPARATION:

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

APPLICATION EQUIPMENT:

Airless Spray	: For wft of 75 – 125 μ	For wft of 125 – 350 µ	For wft of 350 - 450 μ
Nozzle Size Fan Angle	: 0.33 – 0.38 (13 – 15 thou) : 40°	0.38 – 0.46 (15 – 18 thou) 40°	0.46 - 0.53 (18-21 thou) 40°
Operating Pressure	: 155kg/cm² (2200psi)	155kg/cm² (2200psi)	155kg/cm² (2200psi)

It can be also used for Auto spray system with a suitable application conditions.

Conventional Spray

Nozzle Size: 1.27mm (50 thou)

Atomising Pressure : 2.8kg/cm² (40 psi) Fluid Pressure : 0.4kg/cm² (10 psi)

The details given above are intended as a guide only. In case of any difficulties or queries, please contact Al Gurg Leigh's Paints' Regional Technical Centre.

Brush and Roller

The material is suitable for brush and roller application to a small areas.

APPLICATION CONDITIONS AND OVERCOATING:

For application, thinning with up to 10% with Thinner No. 5 may be required. In conditions of high relative humidity, i.e. 80-85% good ventilation is essential.

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

ADDITIONAL NOTES:

Drying, curing and potlife 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.

HEALTH AND SAFETY:

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

For Further Information please contact:



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