



Protective & Marine Coatings

EPIDEK™ L716 EPOXY DECK COATING

Revised 02/2016 Issue 11

PRODUCT INFORMATION

PRODUCT DESCRIPTION

A 2-pack epoxy based, weather resisting deck paint providing a "suede like" finish for optimum anti-slip under wet or dry conditions.

RECOMMENDED USE

Over decks which have been suitably primed.

ENDORSEMENTS

Approved by MoD/DRA to AFS No 1790.
BS476 Part 7 Surface Spread of Flame Material - for details of substrate/scheme, consult Sherwin-Williams

RECOMMENDED APPLICATION METHODS

Airless Spray
Conventional Spray
Brush
Roller

Recommended Cleanser/Thinner: No 5

PRODUCT CHARACTERISTICS

Flash Point: Base : 34°C Additive : 28°C

% Solids by Volume: 51 ± 2% (ASTM-D2697-91)

Colour Availability: Limited range.

VOC

420* grammes/litre

* 1990 EPA-PG6/23(97) - modified Appendix 3

RECOMMENDED THICKNESS

Dry film thickness	Wet film thickness	Theoretical coverage
75 microns	147 microns	6.8 m ² /ltr*

* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment.

PRACTICAL APPLICATION RATES -

MICRONS PER COAT

	Airless Spray	Conventional Spray	Brush	Roller
Dry	75*	75	50	40
Wet	147	147	98	78

* Maximum sag tolerance with overlap typically 245µ wet (125µ dry) by airless spray.

AVERAGE DRYING TIMES

	@ 15°C	@ 23°C
To touch:	1½ hours	40 minutes
To recoat:	6 hours	4 hours
To handle:	24 hours	16 hours
Pot Life:	24 hours	16 hours

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

RECOMMENDED PRIMERS / TOPCOATS

STEEL:

Macropoxy C425V2 Zinc Phosphate Primer/Buildcoat.
Macropoxy L425 Zinc Phosphate Primer.

CONCRETE:

Macropoxy M262 Hi-Build Finish.

PACKAGE

A two component material supplied in separate containers to be mixed prior to use.

Pack Size:	5 litre and 1 litre units when mixed.
Mixing Ratio:	4 parts base to 1 part additive by volume.
Weight:	Black 1.34 kg/litre (may vary with shade).
Shelf Life:	2 years from date of manufacture or 'Use By' date where specified.



Protective & Marine Coatings

EPIDEK™ L716 EPOXY DECK COATING

Revised 02/2016 Issue 11

PRODUCT INFORMATION

SURFACE PREPARATION

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

APPLICATION EQUIPMENT

Airless Spray

Nozzle Size	0.46-0.53mm (18-21 thou)
Fan Angle	80°
Operating Pressure	155kg/cm ² (2200 psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results. If in doubt Sherwin-Williams should be consulted.

Conventional Spray

Nozzle Size	1.27mm (50 thou)
Atomising Pressure	4.2kg/cm ² (60 psi)
Fluid Pressure	1.0kg/cm ² (15 psi)

The details of atomising pressure, fluid pressure and nozzle size are given as a guide. It may be found that slight variations of pressure will provide optimum atomisation in some circumstances according to the set up in use. Atomising air pressure depends on the air cap in use and the fluid pressure depends on the length of line and direction of feed i.e. horizontal or vertical.

Brush

The material is suitable for brush application. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

Roller

The material is suitable for roller application. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

APPLICATION CONDITIONS AND OVERCOATING

Epoxy paints should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired.

Application at ambient air temperatures below 5°C is not recommended.

In order to achieve optimum water and chemical resistance, temperature needs to be maintained above 10°C during curing.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

ADDITIONAL NOTES

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

The curing reaction of epoxies commences immediately the two components are mixed, and since the reaction is dependent on temperature, the curing time and pot life 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 epoxy materials which tend to yellow and darken with age whether used on internal or external areas. Therefore any areas touched-up and repaired with the same colour at a later date may be obvious due to this colour change.

When epoxy materials are exposed to ultra-violet light a surface chalking effect will develop. This phenomenon results in loss of gloss and a fine powder coating at the surface which may give rise to colour variation depending on the aspect of the steelwork. This effect in no way detracts from the performance of the system.

Numerical values quoted for physical data may vary slightly from batch to batch.

HEALTH AND SAFETY

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

WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.