



EPIDEK™ L716

EPOXY DECK COATING

Revised 10/2024 Issue 12

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.

PRODUCT TECHNICAL DATA

Volume Solids:	51 ± 2% (ASTM-D2697-91)
Weight Solids:	67 ± 2 %
VOC:	420 g/l determined practically in accordance with UK Regulations PG6/23. 468 g/l calculated from formulation to satisfy EC Solvent Emissions Directive. 349 g/kg calculated from formulation to satisfy EC Solvent Emissions Directive (UK).
Colours:	Black, White and Holly-Green.
Flash Point:	Base: 34°C, Hardener: 28°C
Cleaner/Thinner:	Cleanser/Thinner No.5 for cleaning. Thinning is not recommended.
Pack Size:	A two component material supplied in separate containers to be mixed prior to use: 5 litre (6.7 kg) and 1 litre (1.3 kg) units when mixed. Weight will vary with colours and density.
Mixing Ratio:	4 parts base to 1 part hardener by volume. 100 parts base to 14.6 parts hardener by weight.
Density:	1.34 kg/l (may vary with colours).
Shelf Life:	2 years from date of manufacture, stored in originally sealed containers in a cool and dry environment.

Recommended Application Methods:
Airless Spray, Conventional Spray, Brush, Roller.

Typical Thickness:

Recommended Spreading Rate Per Coat		
	Typical	Maximum Sag
Dry	75 µm	125 µm
Wet	147 µm	245 µm
Theoretical Consumption*	0.197 kg/m ² 0.147 l/m ²	
Theoretical Coverage*	5.07 m ² /kg 6.80 m ² /l	

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

Film thickness will vary depending on actual use and specification.

Pot Life:

+ 15°C	+ 23°C
24 hours	16 hour

Pot life is dependent on temperature and volume.



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AVERAGE DRYING TIMES

For 75 µm Dry Film Thickness:

	+ 15°C	+ 23°C
To touch	1½ hours	40 minutes
To recoat	6 hours	4 hours
To handle	24 hours	16 hours

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

APPROVALS & 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.

SURFACE PREPARATION

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease, dirt and corrosion products to achieve satisfactory adhesion.

MIXING

Stir component A very thoroughly using a mechanical paint mixer (start slowly, then increase up to approx. 300 rpm). Add component B carefully and mix both components very thoroughly (including sides and bottom of the container). Mix for at least 3 minutes until a homogeneous mixture is achieved. We recommend to fill the mixed material into a clean container and mix again shortly as described above to avoid incorrect mixing. During mixing and handling of the materials always wear protective goggles, suitable gloves and other protective clothing.

APPLICATION CONDITIONS

Substrate temperature shall be above 0°C and at least 3°C above the dew point. The surface must be dry and free from ice.
Ambient air temperature shall be above + 5°C.
Material temperature shall be above + 10°C.
Relative air humidity shall be below 85 %.

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for satisfactory application characteristics. Always purge spray equipment before use with listed cleaner. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Airless Spray

Unit: Airless equipment
Tip Size: 0.43 – 0.53 mm (0.017 – 0.021 inch)
Fan Angle: 80°
Operating Pressure: min. 150 bar (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 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 consult Sherwin-Williams customer service.

Conventional Spray

Atomising Pressure: 4 bar (60 psi)
Tip Size: 1.3 mm (0.05 inch)
Fluid Pressure: 1 bar (15 psi)
Requires oil and moisture separators

Brush and Roller

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

RECOMMENDED SYSTEMS

Steel

1 x Macropoxy® C425V2 or Macropoxy® L425
1 x Epidek™ L716

ADDITIONAL NOTES

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

Epoxy Coatings - Colour Stability:

Variable colour stability is a feature of epoxy coatings 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 coatings are exposed to ultra-violet light a surface chalking effect will develop. This phenomenon results in a loss of gloss and a fine powder deposit 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.



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HEALTH & SAFETY

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

WARRANTY

Whilst all statements made about our products (whether in this data sheet or otherwise) are correct and accurate to the best of our knowledge, we have no control over the quality or the condition of the substrate, the application conditions or the many other factors affecting your use and application of our product.

The appropriateness of the product under the actual conditions of application or intended use must be determined exclusively by you. The content of this document, and of any oral or written statements already made or to be made in relation to the subject matter of this document, including any suggestions as to appropriate products and any proposed application methods, technical details and other product information represent only test results or experience obtained under controlled or defined circumstances, and is therefore provided for general information purposes only.

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