

## EPICOL SOLVENT FREE EPOXY

### PRODUCT DESCRIPTION

A two pack solvent free epoxy coating for potable water, cured with a fast setting amine for site and factory applications. Self levelling properties make it suitable also as a floor coating.

### USES

- Ductile iron pipes for the water industry
- Fixtures and fittings
- Valves used in the water industry
- Storage tank internals for drinking water or crude oil storage
- Floor coatings

### TECHNICAL PROPERTIES

<b>Colour</b>	Cream, Red and Blue		
<b>Finish</b>	Semi-Gloss		
<b>Curing Agent</b>	Epicol SF Curing Agent		
<b>Mix Ratio</b>	3.5 Base : 1 Curing Agent by volume 5.5 Base : 1 Curing Agent by weight		
<b>Specific Gravity</b>	1.48 (mixed) typical		
<b>Volume Solids</b>	100%		
<b>Recommended Film Thickness</b>	125-500µ WFT / 125-500µ DFT		
<b>Theoretical Spreading Rate</b>	2-8 m <sup>2</sup> /litre		
<b>Application Method</b>	Brush, Roller, Spray		
<b>Flash Point</b>	n/a		
<b>VOC</b>	7g/litre		
<b>Drying Times</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
Touch Dry	8 hours	6 hours	4 hours
Hard Dry	24 hours	16 hours	12 hours
Minimum Overcoat	36 hours	16 hours	8 hours
Maximum Overcoat	7 days	3 days	2 days

### CERTIFICATION/APPROVALS

WRAS Approval (Water Fittings & Material Directory Reference No. 0511508)

### RECOMMENDED SYSTEMS

In most cases, one full coat should be applied. Under immersion conditions, apply two full coats.

### SURFACE PREPARATION

- Steel This product is designed to be applied to a blast cleaned substrate only. Firstly degrease as per the requirements of SSPC-SP1 to remove all oil and grease etc. Abrasive blast clean to a minimum standard of ISO 8501:1988 SA2½. The optimum profile should be 35-85 microns.
- Cement Mortar Ensure the surface is clean, dry and firm.

## PRODUCT APPLICATION

<b>Mixing</b>	Mix 3.5 litres Base to 1 litre Curing Agent Mix thoroughly and use immediately. Pot life 1 hour @ 20°C.
<b>Thinners</b>	Do not thin.
<b>Brush</b>	Suitable.
<b>Roller</b>	Suitable.
<b>Airless Spray</b>	Use a 60:1 pump or larger. Large airless spray unit is recommended. Tip size: 0.53-0.68 mm (0.021" –0.027") Atomising Pressure: 205-240 Bar (3000-3500 psi) N.B. Twin feed airless spray pumps can also be used.
<b>Cleaner</b>	Thinner No.5
<b>Cleanup Considerations</b>	All equipment should be cleaned immediately after use with Thinner No.5 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

## HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited.  
The user must observe local health, safety and environmental regulations when using this product.  
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

## PACK SIZES

4.5 litre composite packs.

## PACK WEIGHTS

4.5 litre : 6.6 kg. (mixed)

## STORAGE CONDITIONS

Store in a cool, dry, shaded area. Minimum shelf life 12 months in unopened containers.

## LIMITATIONS

Do not apply this product if the RH exceeds 90% or if the substrate is within 3°C of the dew point.

## DISCLAIMER

The information given in these specifications and technical advice - whether verbal, or in writing or by way of trials is for guidance only and is given in good faith, but without warranty. This also applies where proprietary rights or third parties are involved. Any person using Spencer products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

It is the user's responsibility to ensure that this sheet is current prior to using the product.