

Reference: 02PE2000  
Issue Number: 3  
Issue Date: June 2006  
Supersedes Issue: 2

## EPICOL 2000

### PRODUCT DESCRIPTION

A two component epoxy coating for potable water, cured with a fast setting amine.

### USES

- Ductile iron pipes for the water industry.
- Fixtures and fittings.
- Valves used in the water industry.
- Storage tank internals.

### TECHNICAL PROPERTIES

<b>Colour</b>	White		
<b>Finish</b>	Semi Gloss		
<b>Curing Agent</b>	Epicol 2000 Curing Agent		
<b>Mix Ratio</b>	1 Base : 1 Curing Agent by volume		
<b>Specific Gravity</b>	1.50 (mixed)		
<b>Volume Solids</b>	100%		
<b>Recommended Film Thickness</b>	150-200µ WFT / 150-200µ DFT		
<b>Theoretical Spreading Rate</b>	5-6.7 m <sup>2</sup> /litre		
<b>Application Method</b>	Brush, Spray		
<b>Flash Point</b>	n/a		
<b>VOC</b>	0 g/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

*Allow 14 days cure at 15-20°C before commissioning*

### CERTIFICATION/APPROVALS

#### RECOMMENDED SYSTEMS

Apply to recommended film thickness.

### 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 SA 2½ (peak to trough profile 50-100µ).

Cement: Requires removal of all dust, dirt and laitance May require blasting cleaning in extreme circumstances. All surfaces must be free from oil, grease and other contaminants. Ensure the surface is dry and firm.

## PRODUCT APPLICATION

### Mixing

Mix 5 litres Base to 5 litres Curing Agent.  
Mix thoroughly and use immediately.  
Pot life 1 hour at 20°C.

**\*\* WARNING: AFTER 1 HOUR, ANY REMAINING MATERIAL BECOMES EXOTHERMIC, REACHING UP TO 80°C.**

### Thinners

Do not thin.

### Brush

Suitable for small areas only.

### Airless Spray

Hydracat system preferred as mix ratio 1:1 by volume but normal airless spray may be used if pot-life is monitored closely.

Tip size 0.65-0.78 (0.024"-0.028")

Pump ratio 60:1

Tip pressure 205-240 Bar (3000-3500 psi)

Paint temperature 15°-35°C

Please note the higher the temperature the shorter the pot life.

### Cleaner

Thinner No.5

### Cleanup Considerations

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.

The user must observe local health, safety and environmental regulations when using this product.

Consult if there are any concerns over the suitability of this product.

---

## PACK SIZES

10 litre composite packs

---

## PACK WEIGHTS

10 litre : 15 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 these 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.