

## QUICK PRIME ME- 2K EPOXY PRIMER

<b>MATERIAL TYPE</b>	2 K EPOXY PRIMER		
<b>RECOMMENDED USE</b>	As a penetrating sealer for use over concrete, cementitious and other porous substrates.		
<b>RECOMMENDED APPLICATION METHODS</b>	Brush Roller, Airless		
<b>COLOUR AVAILABILITY</b>	Clear		
<b>FLASH POINT</b>	Base: 32°C	Additive: 32°C	
<b>SOLIDS BY VOLUME</b>	38 ± 3% (ASTM-D2697-91).		
<b>V.O.C.</b>	695* grammes/litre * 1990 EPA - PG6/23(97) modified Appendix 3.		
<b>TYPICAL THICKNESS</b>	<b>Dry film thickness</b> 40 microns	<b>Wet film thickness</b> 105 microns	<b>Theoretical coverage</b> 9.5 m <sup>2</sup> /litre
<p>It should be noted that the actual spread rate will vary depending upon the type of substrate coated and the method of application chosen. If the surface to be coated is excessively rough or porous, the spread rate may be significantly reduced. When treating such surfaces, practical tests should be carried out prior to the onset of full scale painting.</p>			
<b>PRACTICAL APPLICATION RATES - microns per coat</b>	<b>Brush</b>	<b>Roller</b>	
	Dry 40 Wet 105	40 105	
<b>AVERAGE DRYING TIMES @</b>	<b>23°C</b>	<b>35°C</b>	
<b>To touch</b>	<b>2½ hours</b>	<b>1 hours</b>	
<b>To recoat</b>	<b>16 hours</b>	<b>12 hours</b>	
<i>These figures are given as a guide only. Factors such as air movement and humidity must also be considered.</i>			
<b>RECOMMENDED THINNER</b>	<b>MEK</b>		
<b>RESISTANCE TO</b>	Moisture	<b>Excellent</b>	Aliphatic solvents
	Acid spillage	<b>Moderate</b>	Abrasion
	Alkali spillage	<b>Excellent</b>	<b>Excellent</b>
	Petroleum solvents	<b>Excellent</b>	
<b>RECOMMENDED TOPCOATS</b>	<p>May be overcoated with any of VIP's range of products as well as other high performance epoxies and polyurea systems, provided that the surfaces to be coated have been suitably cleaned.</p> <p>To achieve optimum adhesion, overcoating should be undertaken within 7 days at 23°C or within 4 days at 35°C.</p> <p>For overcoating with alkyds, consult VIP's Regional Technical Centre.</p>		
<b>POT LIFE</b>	<b>15°C</b>	<b>23°C</b>	<b>35°C</b>
(For notes on tropical application see page 2)	<b>8 hours</b>	<b>4 hours</b>	<b>2 hours</b>
<b>PACKAGE</b>	A two component material supplied in separate containers to be mixed prior to use.		
<b>Pack Size</b>	20 litre and 4 litre units when mixed.		
<b>Mixing Ratio</b>	3 parts base to 1 part additive by volume.		
<b>Weight</b>	0.97 kg/litre.		
<b>Shelf Life</b>	Minimum 2 years.		

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### **SURFACE PREPARATION:**

New concrete should be allowed to cure for at least 4 weeks prior to any painting works. It is recommended that prior to any coating application, the substrate should be checked for moisture content. Moisture content should be measured as being less than 10%.

If the moisture content is found to be higher, more drying out time should be allowed.

For new concrete or other cementitious substrates, it is essential that all laitance, form oils, curing chemicals and release agents be removed.

To ensure satisfactory adhesion when coating floors, it is essential that acid etching, mechanical or blast cleaning be undertaken.

If acid etching is the chosen method, it is essential that the area is freshwater washed after completion of the etching process.

For old or previously painted substrates, it is recommended that all loose and friable materials be removed by mechanical cleaning.

Ensure surfaces to be coated are dry and free from all traces of contamination.

For further details and assessment of individual contract requirements, contact VIP's Regional Technical Centre for advice.

### **APPLICATION EQUIPMENT: Brush, Roller and Low Pressure spray unit**

The material is suitable for brush and roller application.

### **APPLICATION CONDITIONS AND OVERCOATING:**

In conditions of high relative humidity, i.e. 80-85% good ventilation is essential.

Substrate temperature should be at least 3°C above the dew point.

At application temperatures below 10°C, drying times will be significantly extended and application characteristics may be impaired. Application at temperatures below 5°C is not recommended.

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

For application at elevated temperatures, please see the note below.

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

For full notes, see information sheet entitled 'Spreading Rates and Overcoating Times.'

### **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.

### **Epoxy Coatings - Tropical Use**

To ensure a satisfactory working potlife, the temperature of Quick Prime should not exceed 35°C at the time of mixing.

Thinning the mixed product at any stage will not significantly extend the working potlife.

Application outside the working potlife, even if the material appears to be fit for use, may result in inferior adhesion properties.

The recommended maximum air and substrate temperature for the application of epoxies is 45°C, providing that the conditions allow for satisfactory application and film formation.

If the air and substrate temperatures exceed 45°C during application, paint film defects such as bubbling and pinholing may occur.

Numerical values quoted for physical data may vary slightly on individual batches.

### **HEALTH AND SAFETY:**

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