



PAINT WITH CONFIDENCE

## TECHNICAL DATA SHEET

TRADE

# EPOXY TWIN PACK PRIMER

REVISION DATE: November 2018

(Supersedes all previous publications)

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### PRODUCT INFORMATION

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#### PRODUCT DESCRIPTION

**EPOXY TWIN PACK PRIMER** is a twin pack water-based epoxy primer and penetrating sealer.

#### PRODUCT USES

To be used as a primer to seal substrates such as concrete, plaster, fibre cement and wood before over coating with EPOXY TWIN PACK FLOOR COAT. Also, an excellent dust sealer for concrete surfaces. Suitable for use in warehouses, factories, cold rooms, abattoirs, food processing plants and hospitals. This product carries Thales approval for safe use in wineries

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### TECHNICAL INFORMATION

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#### GENERIC TYPE

Water-based Epoxy-polyamide

#### DURABILITY

Resistant to various acids, alkalis, solvents, petrol, diesel and water penetration.

#### FINISH

Semi matt

#### VOLUME SOLIDS

± 50%

#### SPECIFIC GRAVITY

± 1.00kg/litre

#### VISCOSITY (±KU @ 25°C)

72 - 76

#### MINIMUM DRY FILM THICKNESS

50 - 63 Microns

#### SPREADRATE

5 - 7 m<sup>2</sup>/ℓ, depending on surface profile

#### 100% LEAD FREE

Yes

#### FLASH POINT

Non-flammable

#### COLOURS

Clear

#### PACK SIZE

3.8 ℓ base plus 1.2 ℓ catalyst = 5 ℓ pack

#### STORAGE

Store away from direct sunlight, heat and severely cold or damp conditions. Ensure that containers are properly sealed before storage.



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## APPLICATION DETAILS

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### PRIOR TO USE

This primer is supplied in two separate containers, clearly labelled as BASE and CATALYST. Stir each container separately until homogeneous. Then pour the full content of the CATALYST into the container containing the BASE and once again mix until completely homogeneous. Allow the mixture to stabilise for 5 minutes before application.

### APPLICATION CONDITIONS

	MIN	MAX
Surface Temp (°C)	10 °C	40°C
Ambient Temp (°C)	10 °C	40°C
Relative Humidity	10%	85%
<i>or 4°C minimum above dew point</i>		

### APPLICATION METHOD

Brush, mohair roller or airless spray.  
(Contact our technical service department for more information)

### THINNING

Not recommended

### DRYING TIME

50% RH	10°C	20°C	30 °C
Light traffic	24 hrs	12 hrs	8 hrs
Full traffic	6 days	3 days	1 day
Full cure	14 days	7 days	5 days

### OVER COATING (@ 23°C & 50% RH)

12 hours minimum  
72 hours maximum

### POTLIFE

60 minutes (@ 23°C)

### CLEANING OF EQUIPMENT

Sabre Epoxy IMB Solution

### SUBSTRATE CONDITIONS

Substrate must be clean, dry and sound for painting. Moisture content must be below 15 % WME, measured using a PROTIMETER (or equally approved). Source of moisture must not be constant and needs to be rectified.

### LIMITATIONS

Once mixed the product has a pot life of 60 minutes. After this the material will be unusable. Therefore plan and mix only enough material to cover an area according to your available applicators. Product could yellow slightly when exposed to UV or direct sunlight. Premature exposure to ponding water could cause a colour change or softening of the coating. When applying by airless spray do not allow the material to cure in the spray equipment.

### SAFETY PRECAUTIONS

Ensure good ventilation during application and curing process. Keep out of reach of children. In case of skin contact, wash with soap and water.

In case of eye contact rinse immediately with running water and seek medical advice if eyes are irritated.

If swallowed, do not induce vomiting and seek immediate medical attention. Always wear the appropriate protective clothing during product handling and application.

Refer to Material Safety Data Sheet on our website for more detailed safety information.



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## SURFACE PREPARATION

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Ensure that all surfaces are dry, clean and free of oil, grease, laitance and in accordance with above **SUBSTRATE CONDITIONS**.

**IMPORTANT:** Smooth steel floated floors should be acid etched using SABRE SPIRITS OF SALTS in accordance with product data sheet to provide a key for the EPOXY to grip. Alternatively DIAMOND GRINDING can be used as a dry preparation method.

Floors should be dry before painting. Moisture levels to be below 15% moisture as per above substrate conditions.

### **NEW WORK**

#### **CEMENT, FIBRE CEMENT, CONCRETE AND WOODEN SUBSTRATES**

Apply **EPOXY TWIN PACK PRIMER** directly.

### **PREVIOUSLY PAINTED SURFACES**

#### **BAD CONDITION**

Remove all loose, flaking and chalking paint. Remove any oil contamination by applying a liberal coat of **Sabre Epoxy IMB Solution** to the affected areas. Allow to react for 5 – 10 minutes and wash with copious amounts of water. Repeat until water break-free surface is attained. Allow drying until moisture levels are below 5%. If algae are present, treat these areas with SABRE ANTI FUNGUS SOLUTION in accordance with product data sheet. Then apply a full coat of **EPOXY TWIN PACK PRIMER**. Allow 12 hours to cure before over-coating.

#### **GOOD CONDITION**

Apply **EPOXY TWIN PACK PRIMER** directly to surfaces in good sound condition.

Surfaces infected with fungus must be treated with SABRE ANTI FUNGUS SOLUTION in accordance with the relevant product data sheet.

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## DISCLAIMER

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*The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance.*

Please note that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at [www.sabre.co.za](http://www.sabre.co.za)

**SABRE PAINTS (PTY) LIMITED**

