



PAINT WITH CONFIDENCE

TECHNICAL DATA SHEET

TRADE

EPOXY TWIN PACK FLOOR COAT

REVISION DATE: November 2018

(Supersedes all previous publications)

PRODUCT INFORMATION

PRODUCT DESCRIPTION

EPOXY TWIN PACK FLOOR COAT is a hard – wearing, twin pack, water-based epoxy top coat with self-levelling properties.

PRODUCT USES

For use on a variety of correctly prepared surfaces including cement plaster, concrete, wood, steel, galvanised iron and fibre-cement.

Suitable for use in warehouses, factories, cold rooms, abattoirs, food processing plants and hospitals. This product carries Thales approval for safe use in wineries.

BENEFITS & FEATURES

- One coat application. *(depending on substrate)*
- Water-based and Zero VOC.
- Odourless during and after application.
- Self-levelling and seamless.
- Hygienic for safe use in the hospitality industry.
- Vapour permeable to substrate moisture
- Highly water resistant.
- Resistant to various acids, alkalis, solvents, petrol, diesel and water penetration.
- Thales approved for safe use in the wine industry.

TECHNICAL INFORMATION

GENERIC TYPE

Water-based Epoxy-polyamide

FINISH

Semi - gloss

VOLUME SOLIDS

± 60%

SPECIFIC GRAVITY

± 1.25kg/litre (mixed-typical)

MINIMUM DFT

100 – 150 Microns

RECOMMENDED WFT

160 – 250 micron per coat. Two coats required

SPREAD RATE

Smooth Surface	Rough Surface
4 - 6 m ² /ℓ	3 - 4 m ² /ℓ
Surface porosity, profile, application tools and technique will affect practical spread rate	

GREEN PROPERTIES

Lead Free

Zero VOC (White and factory tinted colours)

Glycol free (White and factory tinted colours)

APEO free

Formaldehyde free



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FLASH POINT

Non-flammable

COLOURS

White, Clear and a limited range of colours.

PACK SIZE

3.66 ℓ base plus 1.34 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.

APPLICATION DETAILS

PRIOR TO USE

This product 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

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

Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase), whilst lower temperatures will retard the drying times (approximately doubled for every 10°C decrease).

POTLIFE

60 minutes (@ 23°C)

CLEANING OF EQUIPMENT

Sabre Epoxy IMB Solution

SUBSTRATE CONDITIONS

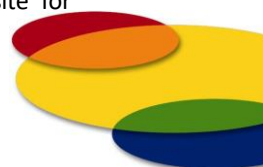
Substrate must be clean, dry and sound for painting. Moisture content must be below 15 % WME, measured using a PROTIMETER (or equally approved). Source of moisture must not be constant and needs to be rectified.

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.



SURFACE PREPARATION

Ensure that all surfaces are dry, clean, and free of oil, grease, dust, 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

CONCRETE, CEMENT PLASTER, FIBRE-CEMENT AND WOODEN SURFACES

Prime with EPOXY TWIN PACK PRIMER. Allow a minimum of 12 hours and maximum of 72 hours to dry before over coating. If the 72 hours are exceeded, sanding of primer will be required.

NON- FERROUS METAL - GALVANISED IRON

New galvanised iron must be cleaned with SABRE GI PRE-CLEANER. Apply a coat of SABRE AQUA ETCH PRIMER and allow 6 hours drying.

FERROUS METAL – MILD STEEL, ETC

Remove all millscale, surface rust, etc. by means of sandblasting, wire brush or sand paper. Prime with SABRE CHLORPRIME and allow 12 hours drying.

Consult with our technical department as to which other SABRE primers are appropriate.

PREVIOUSLY PAINTED SURFACES

BAD CONDITION

Remove all flaking and chalking paint. If algae are present, treat these areas with SABRE ANTI- FUNGUS SOLUTION in accordance with product data sheet. Apply SABRE EPOXY IMB SOLUTION and scrub if necessary. Wash down and allow to dry. Apply a full coat of EPOXY TWIN PACK PRIMER. Allow a minimum of 12 hours and maximum of 72 hours to dry before over coating. If the 72 hours are exceeded, sanding of primer will be required.

GOOD CONDITION

Apply SABRE EPOXY IMB SOLUTION and scrub if necessary. Wash down and allow to dry. Wooden surfaces and surfaces previously painted with enamels or epoxy: Sand lightly and remove all dust.

FINAL COAT

Apply one to two coats of **EPOXY TWIN PACK FLOOR COAT**.

DISCLAIMER

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

SABRE PAINTS (PTY) LIMITED

