

TECHNICAL DATA SHEET

PURPOSE

PU FLOORKOTE

REVISION DATE: July 2024
(Supersedes all previous publications)



PRODUCT INFORMATION

PRODUCT DESCRIPTION

PU FLOORKOTE is a single pack polyurethane modified alkyd-based floor paint for application onto cured interior and semi-exterior cement and concrete surfaces.

PRODUCT USES

Suitable for stoeps and walkways exposed to light and domestic traffic. Not recommended for heavy traffic areas or where spillage of petroleum and industrial oils, acids and alkalis will occur.

BENEFITS & FEATURES

- Hardwearing
- Easy and quick to apply
- Easy to clean and maintain
- Quick drying

TECHNICAL INFORMATION

GENERIC TYPE	Polyurethane modified alkyd resin
FINISH	Gloss
VOLUME SOLIDS	54 ± 1%
SPECIFIC GRAVITY	1.24kg/litre (typical)
MINIMUM DRY FILM THICKNESS	50 - 60 microns per coat. Two coats required.
MINIMUM WET FILM THICKNESS	100 - 125 microns per coat. Two coats required.

Smooth Surface	Rough Surface
8 - 10 m ² /ℓ	6 - 8 m ² /ℓ
Increased surface porosity will reduce spread rate	

SPREADRATE

100% LEAD FREE	Yes
FLASH POINT	38°C
COLOURS	Grey, Charcoal, Red Oxide, Black and Permanent Green
PACK SIZE	5ℓ and 20ℓ

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

Mix well using a flat paddle until homogeneous in colour and consistency.

APPLICATION METHOD

Ready for use with a good quality brush or mohair roller.

THINNING

Ready for use – Do not thin

CLEANING OF EQUIPMENT

Mineral turpentine

DRYING TIME (@ 23°C & 50% RH)

Touch dry	2 hours
Over coating	12 hours
Fully cured	7 days (partial traffic after 24 hours)

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).

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>		

SUBSTRATE CONDITIONS

Substrate must be clean, dry and sound for painting.
Moisture content must be **below 5% WME**, measured using a PROTIMETER (or equally approved).

SAFETY PRECAUTIONS

Ensure good ventilation during application and curing process.
Keep out of reach from 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 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, 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 paint to grip. Alternatively DIAMOND GRINDING can be used as a dry preparation method.

Floors should be dry before painting. Below 5% moisture as per above substrate conditions.

NEW WORK

CEMENT

Do not apply SABRE PU FLOORKOTE directly. Ensure that the floor is properly cured then apply a primer coat of AR SEALER as supplied.

PREVIOUSLY PAINTED SURFACES

BAD CONDITION – CEMENT

To remove oil contamination wash the floor using SABRE DEGREASING SOLVENT by applying a liberal coat 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. Remove all flaking and chalking paint by high pressure water jet at 300kPa. Allow drying for up to a week at 25°C and 65% relative humidity and test for moisture to be in accordance with the above substrate conditions. Once moisture levels are below 5% then, apply a full primer coat of SABRE PU FLOORKOTE reduced 10% with MINERAL TURPENTINE. Allow 12 hours to cure before over-coating.

GOOD CONDITION

Surfaces in good sound condition should be high pressure washed at 180kPa after applying SABRE DEGREASING SOLVENT or SABRE DETERGENT SOLUTION before applying SABRE PU FLOORKOTE directly.

FINAL COAT

Apply two coats SABRE PU FLOORKOTE allowing 12 hours drying time between coats.

IMPORTANT:

Allow to cure for at least 48 hours before exposing to light traffic. Full cure should be reached after 5 days at 23°C and 65% relative humidity.

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