



TECHNICAL DATA SHEET

PREMIUM UNIVERSAL UNDERCOAT

REVISION DATE: July 2024
(Supersedes all previous publications)



PRODUCT INFORMATION

PRODUCT DESCRIPTION

PREMIUM UNIVERSAL UNDERCOAT is a superior quality, general purpose, oil based, undercoat to provide film build and a smooth finish on primed metal, timber and other surfaces in preparation for top coats.

PRODUCT USES

For use on suitably primed metal, timber and various surfaces to provide a smooth finish for top coats.
Suitable as an intermediate coat onto **pre-primed** plaster cement surfaces in preparation for enamel top coats.

TECHNICAL INFORMATION

GENERIC TYPE

Alkyd resin

FINISH

Semi-matt

VOLUME SOLIDS

48 ± 1%

SPECIFIC GRAVITY

1.43kg/litre (typical)

RECOMMENDED DFT

50 - 60 microns. One coat required.

RECOMMENDED WFT

100 - 125 microns per coat. One coat required.

SPREAD RATE

Smooth Surface	Rough Surface
8 - 10 m ² /ℓ	6 - 8 m ² /ℓ
Surface porosity, profile, application tools and technique will affect practical spread rate	

100% LEAD FREE

Yes

FLASH POINT

38°C

COLOURS

White and Pastels on special request only.

PACK SIZE

500ml, 1ℓ, 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 brush or mohair roller.

THINNING

Mineral turpentine (Up to 10% maximum)

CLEANING OF EQUIPMENT

Mineral turpentine

DRYING TIME (@ 23°C & 50% RH)

Touch dry	4 hour
Over coating	16 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 14% WME**, measured using a PROTIMETER (or equally approved). Do not apply directly onto masonry surfaces.
Cannot be used as a top coat. Must be over coated.

LIMITATIONS

Do not apply directly onto masonry or alkali surfaces.
Cannot be used as a top coat. Must be over coated.

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 and in accordance with above SUBSTRATE CONDITIONS.
Treat imperfections with an appropriate filler.

NEW WORK

Surfaces must be very dry. Less than 5% WME moisture.

CONCRETE AND CEMENT PLASTER SURFACES

Exterior: Prime with SABRE AR SEALER followed by SABRE PREMIUM UNIVERSAL UNDERCOAT and allow 16 hours drying between coats and before over-coating.

Interior: Skim the entire surface by applying a scraper coat of SABRE SKIM – INTERIOR. Allow 4 hours drying and sand accordingly with 80 grit sandpaper. Prime with SABRE AR SEALER followed by SABRE PREMIUM UNIVERSAL UNDERCOAT and allow 16 hours drying between coats and before over-coating

BRICKWORK - FACE, R.O.K'S AND CEMENT

Where efflorescence occurs, wash down with a weak solution of SABRE SPIRITS OF SALTS, rinse with clean water and allow to dry. Apply a primer coat of SABRE AR SEALER (for friable surfaces; dilute up to maximum 10% with turpentine) followed by SABRE PREMIUM UNIVERSAL UNDERCOAT and allow 16 hours drying between coats and before over-coating.

TIMBER SURFACES

Apply a primer coat of SABRE WOOD PRIMER diluted up to a maximum of 15% with SABRE MINERAL TURPENTINE to all bare wooden surfaces. Allow 16 hours to cure followed by one coat of SABRE PREMIUM UNIVERSAL UNDERCOAT, allow 16 hours drying. Sand lightly in the direction of the wood grain before each coat to provide a smooth surface.

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, followed by a coat of SABRE PREMIUM UNIVERSAL UNDERCOAT. Allow 16 hours drying time.

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 16 hours drying, followed by a coat of SABRE PREMIUM UNIVERSAL UNDERCOAT. Allow 16 hours drying.

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

PREVIOUSLY PAINTED SURFACES

BAD CONDITION - EMULSION

Remove all flaking and chalking paint. Ensure to high pressure water jet exterior surfaces and allow drying. If algae are present, treat these areas with SABRE ANTI FUNGUS SOLUTION in accordance with product data sheet. Apply a full coat of SABRE AR SEALER as supplied. (For friable/chalky surfaces; dilute up to maximum 10% with turpentine). Allow 12 hours to cure followed by a coat of SABRE PREMIUM UNIVERSAL UNDERCOAT and allow 16 hours drying.

GOOD CONDITION - EMULSION

Apply SABRE DETERGENT SOLUTION or a solution of sugar soap. High pressure wash exterior surfaces. Wash down interior surfaces. Apply SABRE PREMIUM UNIVERSAL UNDERCOAT and allow 16 hours drying.

ENAMEL SURFACES

The surface must be well sanded and wiped down with a clean moistened turpentine cloth. Spot prime exposed plaster and metal as for new work. Apply a coat of SABRE PREMIUM UNIVERSAL UNDERCOAT, allowing 16 hours to cure.

IMPORTANT: SABRE PREMIUM UNIVERSAL UNDERCOAT must be over coated within 36 hours.

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