



TECHNICAL DATA SHEET

PREMIUM ROOF SHIELD

REVISION DATE: June 2024
(Supersedes all previous publications)



PRODUCT INFORMATION

PRODUCT DESCRIPTION

ROOF SHIELD is a premium quality heat reflective roof coating with solar reflective technology that reduces surface and internal temperature. ROOF SHIELD will extend the life of your roof and result in improved energy efficiency.

PRODUCT USES

For use on correctly primed and prepared cement or fibre cement (tiles/sheets), galvanised iron, zinc alum / aluzinc, chromadek and asbestos roof sheets.

BENEFITS & FEATURES

- Formulated with solar reflective technology.
- Reduces surface and internal room temperature that leads to improved energy efficiency.
- Excellent adhesion to prepared surfaces.
- Excellent U.V. resistance and exterior durability.
- Protects and extends the life of your roof.
- 12-year quality guarantee (See terms & conditions on www.sabre.co.za)

TECHNICAL INFORMATION

GENERIC TYPE

Pure acrylic emulsion

FINISH

Low sheen

VOLUME SOLIDS

37 ± 1%

SPECIFIC GRAVITY

1.20 kg/litre (typical)

RECOMMENDED DFT

40 – 50 microns per coat. Two coats required.

RECOMMENDED WFT

110 – 140 microns per coat. Two coats required

SPREAD RATE

Smooth Surface	Rough Surface
7 – 9 m ² /ℓ	2 - 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
Non flammable

FLASH POINT

COLOURS	White, Black, Red Oxide, Deep Brown, Southwest Terracotta, Dark Grey, Ash Grey, Asbestos Grey, Charcoal, Forest Green, Tennis Court Green.
PACK SIZE	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 a good quality block-brush, airless spray and preferably not by roller (if necessary, make use of a long pile roller)	
THINNING	Ready for use – Do not thin	
CLEANING OF EQUIPMENT	Water	
DRYING TIME (@ 23°C & 50% RH)	Touch dry	30 minutes
	Over coating	4 hours
	Fully cured	7 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).

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 15% WME , measured using a PROTIMETER (or equally approved).
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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.
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SURFACE PREPARATION

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

NEW WORK

CEMENT AND FIBRE CEMENT (TILES / SHEETS)

Prime with SABRE STONESEAL (thinned 10% with clean water). Alternatively apply SABRE AR SEALER as supplied to seal the surface. Allow 12 hours to dry.

GALVANISED IRON

Galvanised iron surfaces must be cleaned with SABRE GI PRE-CLEANER in accordance with product data sheet. Ensure to obtain a water break-free surface, then apply one coat SABRE AQUA ETCH PRIMER and allow 4 hours drying.

CHROMADEK

Wash down with SABRE DETERGENT SOLUTION. Allow drying and apply directly.

PREVIOUSLY PAINTED SURFACES

BAD CONDITION - CEMENT AND ASBESTOS

Remove all flaking and chalking paint by high pressure water jet at 300kPa. If algae is present, treat these areas with SABRE ANTI FUNGUS SOLUTION in accordance with product data sheet. Prepare and prime all exposed metal roof screws with SABRE CHLORPRIME. Apply a full coat of SABRE AR SEALER as supplied. (For friable/chalky surfaces; dilute up to maximum 15% with turpentine). Allow 12 hours to cure.

BAD CONDITION – GALVANISED IRON AND CHROMADEK

Apply SABRE DETERGENT SOLUTION to lift atmospheric pollution. Remove all flaking and chalking paint by high pressure water jet at 300kPa. If algae are present, treat these areas with SABRE ANTI FUNGUS SOLUTION in accordance with product data sheet.

Sand all rusted areas to ISO 8501-01:1988 – St 3 to attain a bright metal finish before application.

Spot prime all bare sanded metal areas using one liberal coat SABRE CHLORPRIME and allow 12 hours drying.

Apply one full primer coat of SABRE AQUA ETCH PRIMER and allow 4 hours drying.

GOOD CONDITION

Surfaces in good sound condition should be high pressure washed at 180kPa after applying SABRE DETERGENT SOLUTION or a solution of sugar soap before applying SABRE ROOF SHIELD directly.

FINAL COAT

Apply two coats SABRE ROOF SHIELD allowing 4 hours drying time between coats.

IMPORTANT:

It is highly recommended to have SABRE FUNGICIDE ADDED to SABRE ROOF SHIELD to resist fungal growth.

Do not apply SABRE ROOF SHIELD in inclement weather. Allow sufficient drying time before dewfall. Do not apply to a surface in excess of 40°C.

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