



PAINT WITH CONFIDENCE

TECHNICAL DATA SHEET

TRADE

HEAT RESISTING BLACK

REVISION DATE: November 2018
(Supersedes all previous publications)



PRODUCT INFORMATION

PRODUCT DESCRIPTION

HEAT RESISTING BLACK is a quick drying, rust inhibiting, heat resistant coating that can handle temperatures of up to 400°C.

PRODUCT USES

Suitable for coating prepared mild steel fire places, braais, chimney flues and cowls. Ensure to allow good ventilation and do not cook food when using the fire place or braai for the first time.

TECHNICAL INFORMATION

GENERIC TYPE

Phenolic vinyl butaryl

FINISH

Semi-matt

VOLUME SOLIDS

16 ± 1%

SPECIFIC GRAVITY

0.97kg/litre (typical)

MINIMUM DRY FILM THICKNESS

10 - 15 microns per coat. Two coats required.

MINIMUM WET FILM THICKNESS

80 - 100 microns per coat. Two coats required.

SPREADRATE

Smooth Surface	Rough Surface
10 – 12 m ² /ℓ	8 - 10 m ² /ℓ
Increased surface porosity will reduce spread rate	

FLASH POINT

12°C

COLOURS

Black

PACK SIZE

500mℓ, 1ℓ, 5 ℓ and 20 ℓ

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, prior to use. Ensure to mix up any hard settlement at the bottom of the container. Stir continuously during use.

APPLICATION METHOD

Brush, air assisted or airless spray.

THINNING

One Can Etch Primer Thinners

CLEANING OF EQUIPMENT

One Can Etch Primer Thinners



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DRYING TIME (@ 23°C & 50% RH)

Touch dry	10 minutes
Over coating	20 minutes

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)	15 °C	40 °C
Ambient Temp (°C)	15 °C	40 °C
Relative Humidity	10%	75%
<i>or 4 °C minimum above dew point</i>		

SUBSTRATE CONDITIONS

Substrate must be clean, dry and sound for painting. Rusted metal must be prepared to ISO 8501-01:1988 – St3 to attain a bright metal finish before application. Ensure that the surface is water-break free, completely **DRY** and not cold before application.

SAFETY PRECAUTIONS

Ensure good ventilation during application, curing and **first time use**.

Do not cook food during first time use to allow for binder to burn off.

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 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, rust scales and in accordance with above **SUBSTRATE CONDITIONS**.

Ensure that the substrate is degreased to a water-break free surface before painting.

- Remove all loose and flaking surface rust by means of sanding, chipping or wire brush.
- Sand rusted areas to ISO 8501-01:1988 – St 3 to attain a bright shiny metal finish. Severely rusted areas should be treated with a suitable Rust Converter or a 50% solution of Phosphoric Acid in water before further surface preparation.
- Mild steel: Degrease with SABRE DEGREASING SOLVENT. Scrub thoroughly with abrasive pads and wash down with running tap water. Allow to dry.
- To prevent flash rust, ensure to overcoat the surface soon after preparation and drying.
- Apply two coats of SABRE HEAT RESISTING BLACK and allow 20 minutes drying between coats.

IMPORTANT: When using the braai or fire place for the first time; allow for binder burn off whilst ensuring good ventilation and do not cook food during first time use.

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

