



## TECHNICAL DATA SHEET

### INDUSTRIAL

## ONE CAN ETCH PRIMER

REVISION DATE: June 2024  
(Supersedes all previous publications)



### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

**ONE CAN ETCH PRIMER** is a quick drying etch primer to prepare metal surfaces for top coats like SABRE Q/D SPRAY ENAMEL.

#### PRODUCT USES

Suitable as a primer onto prepared ferrous or non-ferrous metal where quick over-coating times are required. Also, suitable to etch and grip onto smooth surfaces like PVC or fibreglass allowing adequate adhesion for top coats.

### TECHNICAL INFORMATION

#### GENERIC TYPE

Phenolic vinyl butyral

#### FINISH

Matt

#### VOLUME SOLIDS

15 ± 1%

#### SPECIFIC GRAVITY

0.90kg/litre (typical)

#### RECOMMENDED DFT

15 - 17 microns. One coat required.

#### RECOMMENDED WFT

90 - 110 microns. One coat required.

#### SPREAD RATE

| Smooth Surface                                                                               | Rough Surface           |
|----------------------------------------------------------------------------------------------|-------------------------|
| 9 - 11 m <sup>2</sup> /ℓ                                                                     | 6 - 8 m <sup>2</sup> /ℓ |
| Surface porosity, profile, application tools and technique will affect practical spread rate |                         |

#### FLASH POINT

12°C

#### COLOURS

Red Oxide, Black, and Grey

#### 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. 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 (Up to 10%)

**CLEANING OF EQUIPMENT**

One Can Etch Primer Thinners

**DRYING TIME (@ 23°C & 50% RH)**

Touch dry 15 minutes

Over coating 60 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%  |
| or 4°C minimum above dew point |       |      |

**SUBSTRATE CONDITIONS**

Substrate must be clean, dry and sound for painting. Rusty 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 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**

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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, Aluminium: Degrease with SABRE DEGREASING SOLVENT or POWER PARAFFIN. Scrub thoroughly with abrasive pads and wash down with running tap water. Allow to dry.
- New & Weathered Galvanized Iron: Apply SABRE GI PRE-CLEANER in accordance with product data sheet. Allow to react for 10-15 minutes. Wash down with running tap water and repeat if necessary until the surface is water-break free. Refer to SABRE AQUA ETCH PRIMER.
- To prevent flash rust, ensure to overcoat the surface soon after preparation and drying.
- Apply a primer coat of SABRE ONE CAN ETCH PRIMER and allow 1 hour drying time before applying the selected SABRE finish coat.

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## DISCLAIMER

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*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](http://www.sabre.co.za)

**SABRE PAINTS (PTY) LIMITED**