

TECHNICAL DATA SHEET

INDUSTRIAL

CHLORPRIME

REVISION DATE: July 2024
(Supersedes all previous publications)



PRODUCT INFORMATION

PRODUCT DESCRIPTION

CHLORPRIME is a high- performance marine quality anti-corrosive metal primer with excellent adhesion and rust prevention properties.

PRODUCT USES

For use as a primer onto suitably prepared non-ferrous and ferrous metal such as galvanized iron and mild steel to guard against metal corrosion.

TECHNICAL INFORMATION

GENERIC TYPE

Chlorinated rubber

FINISH

Matt finish

VOLUME SOLIDS

33 ± 1%

SPECIFIC GRAVITY

1.55kg/litre (typical)

ECOMMENDED DFT

30 - 40 microns. One to two coats required.

RECOMMENDED WFT

100 - 125microns. One to two coats required.

SPREAD RATE

| Smooth Surface | Rough Surface |
|--|-------------------------|
| 8 – 10 m ² /ℓ | 5 - 8 m ² /ℓ |
| Surface porosity, profile, application tools and technique will affect practical spread rate | |

FLASH POINT

27°C

COLOURS

Light grey

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. Ensure to mix up any hard settlement at the bottom of the container.

APPLICATION METHOD

Ready for use with a brush or airless spray. Roller application not recommended.

THINNING

Ready for use – For airless spray, thin up to 10% with A & A thinners only.

CLEANING OF EQUIPMENT

A & A Thinners or Lacquer Thinners.

DRYING TIME (@ 23°C & 50% RH)

Touch dry 1 hour

Over coating 12 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. 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 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.

APPLICATION

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

Ensure that the surface is water-break free 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. Allow to dry.
- To prevent flash rust, ensure to overcoat the surface soon after preparation and drying.
- Apply **one coat** for C1 – C2 environmental conditions and **two coats** for C3 – C5 environmental conditions of SABRE CHLORPRIME at a minimum dry film thickness of 50 microns per coat and allow 12 hours drying time between coats. Allow 12 hours before applying the specified SABRE finish coats.

Please note: On redecoration projects we can only ensure adequate rust inhibition in areas that are stripped to bare metal.

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