

## Technical Data Sheet

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 5.0

Product name

# STEELTECT 1450 SB

PLASCOPRIME ETCH PRIMER(BPA 410)



## PRODUCT DESCRIPTION

A premium quality fast drying, single pack polyvinyl butyral pre-treatment primer.

## INTENDED USES

- Pre-treatment primer for mild steel and galvanised iron prior to applying the full paint system.
- Can be used as a primer/finishing coat in a variety of applications.
- Ideal for use on vehicle chassis and under body components, engine parts, metal fireplaces, burglar bars, security gates, wrought iron.

## FEATURES AND BENEFITS

- Can be used as a weld-through primer at lower DFT's
- Fast drying
- Good adhesion and flexibility
- Provides limited corrosion protection.
- Resistant to oil spills and splashes.
- Can be overcoated by general industrial topcoats and decorative enamels, but not nitrocellulose-based coatings
- for application to abraded aluminium

## PRODUCT INFORMATION

Appearance	Matt
Colours	Red Oxide
Volume Solids	± 13% (typical)
Recommended DFT	Min: 10µm,Max: 25µm. Apply at least 25µm DFT when using as a self-priming finish.
Recommended WFT	Min: 75µm,Max: 190µm
Theoretical spreading rate	7.4m <sup>2</sup> /L at 17.5µm DFT at stated volume solids



Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate as well as the application techniques & tools used.
VOC	<645g/L
Flash Point	<23°C
Viscosity	40 – 45seconds (typical) Ford Cup No.4

### APPLICATION DETAILS

Mixing	Stir with a flat paddle until completely homogeneous
Method	Airless and conventional spray. Dipping, Brush application for small areas only.
Application environment	Surface Temperature      Min*: 10°C      Max: 40°C Ambient Temperature      Min*: 10°C      Max: 40°C Relative Humidity          Min*: 10%      Max: 85% *Or 3°C min. above dew point
Thinning	THINNER 5050(RTN 1), THINNER 5060(SNK 7)
Thinning Dipping	THINNER 5090(TH 258),
Cleaning	THINNER 5000(ILS 1), THINNER 5060(SNK 7)
Drying Time	Touch dry                      10min at 23°C Overcoating (Min)          30min at 23°C Overcoating (Max)          Indefinite at 23°C Dry to handle                 30min at 23°C

### STORAGE AND PACKAGING

Store away from direct sun, heat, open flames, sparks and severe cold.

Shelf Life: 24 months

Single Pack: 5L and 20L

### SURFACE PREPARATION

All surfaces must be firm, dry, and clean, free from oil, grease, or any other contaminants.



#### **MILD STEEL:**

- Degrease with STEELTECT 7100 SB(GR 1) and rinse thoroughly with fresh water. Allow to dry.
- Prepare steel by wire brushing to grade St 3 of ISO 8501-1:2007

#### **GALVANISED IRON:**

- Clean with STEELTECT 7100 WB(GIC 1). Rinse thoroughly with fresh water until a water break- free surface is achieved. Allow to dry.

#### **ALUMINIUM:**

- Degrease with STEELTECT 7100 SB (GR 1) until a water break-free surface is achieved.
- Rinse with fresh water.
- Abrade with Scotch Brite pads to provide a key
- Abrade polished aluminium to a matt finish.

#### **SURFACES PREVIOUSLY COATED WITH SNK RANGE**

- Before over coating ensure that the primer surface is thoroughly clean, use POLYCELL SUGAR SOAP POWDER solution and abrasive pads if necessary and rinse well with water.

#### **APPLICATION INFORMATION**

- Apply one coat to achieve a continuous film.
- Apply light successive overlapping coats to avoid running or sagging of material. Allow to dry between coats. Build up coating to the required film thickness.
- CAUTION - Nitrocellulose based coatings are not recommended for the overcoating of this etch primer

#### **SAFETY PRECAUTIONS**

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Safety Data Sheet for complete information.



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### **DISCLAIMER**

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be dependable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**NB:** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

**NB: TO ORDER:** Quote product name, product code number, packaging, and colour.

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