

Technical Data Sheet

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 9.0

Product name

STEELTECT 1100 SB

HS ZINC PHOSPHATE ALKYD PRIMER (QDP 2 & 3)



PRODUCT DESCRIPTION

An alkyd primer for mild steel.

INTENDED USES

- For use as primer/ shop coat for steel windows, structural steel, door frames, steel garage doors etc.
- As a general-purpose primer under alkyd topcoats.

FEATURES AND BENEFITS

- High solids giving excellent spreading rates
- Good adhesion to mild steel substrates
- General purpose primer under alkyd topcoats
- Quick Drying
- Suitable for flow coating
- Suitable primer for coating of static machinery

PRODUCT INFORMATION

Appearance	Matt
Colours	Red Oxide(QDP 2), Light Grey(QDP 3)
Volume Solids	± 30% (typical)
Recommended DFT	Min: 25µm, Max: 50µm
Recommended WFT	Min: 80µm, Max: 160µm.
Theoretical spreading rate	8.2m ² /L at 37.5µm 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	<536g/L
Flash Point	23°C



Viscosity 35 – 40seconds (typical) Ford Cup No.4

APPLICATION DETAILS

Mixing Stir with a flat paddle until completely homogeneous

Method Conventional spray and brush and roller 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 5040(PYY 1), THINNER 5030(PUR 1),
THINNER 5070(TH 77)

Cleaning THINNER 5040(PYY 1), THINNER 5030(PUR 1),
THINNER 5070(TH 77), THINNER 5000(ILS 1)

Drying Time

Touch dry	30min at 23°C
Over coating(Min)	2h at 23°C – before 2 hours or overnight
Over coating(Max)	48 at 23°C
Dry to handle	1.5h 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, 25L and 200L

SURFACE PREPARATION

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

MILD STEEL

- Remove oil, grease and dirt and any other contaminants with STEELTECT 7100 SB(GR 1). Rinse thoroughly with clean water.
- Sand off any rust back to bright metal.

APPLICATION INFORMATION

- Thin as recommended and apply to achieve the required DFT



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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.

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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