



Technical Data Sheet

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 8.0

Product name

STEELTECT 1300 WB

ANTI-CORROSIVE PRIMER(EMS 18)



PRODUCT DESCRIPTION

A single pack waterborne, anti-corrosive primer for metal.

INTENDED USES

- A good anti-corrosive primer for abrasive blast cleaned steel.
- Provides adhesion to galvanised iron.
- An excellent barrier coat between incompatible coating systems.

FEATURES AND BENEFITS

- Good anti-corrosive properties.
- Accepts a wide range of topcoats, both solvent-borne and water-borne.
- Non-toxic pigmentation.

PRODUCT INFORMATION

Appearance	Matt
Colour	Red oxide
Volume Solids	± 31% (typical)
Recommended DFT	Min: 50µm, Max: 60µm
Recommended WFT	Min: 160µm, Max: 195µm.
Theoretical spreading rate	5.6m ² /L at 55µm 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	23g/L
Flash Point	>23°C
Viscosity	90 – 95KU (typical)



APPLICATION DETAILS

Mixing	Stir with a flat paddle until completely homogeneous		
Method	Conventional and airless spray, brush, and roller.		
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	Not recommended. Max 5% water		
Cleaning	Water		
Drying Time	Touch dry	1h at 23°C	
	Over coating(Min)	16h at 23°C	
	Over coating(Max)	48h at 23°C	
	Dry to handle	4h at 23°C	
	For optimum adhesion performance and corrosion protection, the product needs to dry @23 °C for 7 days or @50 °C for 24 h.		

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

- Oil and grease should be removed using STEELTECT 7100 SB(GR 1) followed by clean water rinses.
- Soluble chloride content may not exceed 75mg/m².
- Dust and debris not to exceed 0,3% when tested in accordance with SANS test method.
- Preferred surface preparation is abrasive blast cleaned to Sa 2½ of the International standard ISO 8501-1:2007 to achieve a blast profile 30 - 40µm or mechanically wire brush to St 3 of the same standard
- The primer must be applied before oxidation of the steel occurs.



- If oxidation does occur the entire oxidised area should be re-blasted to the standard specified above.

GALVANISED IRON

- Preferred surface preparation is Sweep blast using Garnet Mica to achieve a blast profile of 20 – 30µm or if sweep blasting is not possible, clean surface area STEELTECT 7100 WB(GIC 1). Rinse thoroughly until a water break free surface is achieved.

APPLICATION INFORMATION

- Thin as recommended and apply to achieve the required DFT

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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KANSAI PLASCON (PTY) LTD

10 Frederick Cooper Drive,
Factoria, Krugersdorp
South Africa
1739.

Tel: +27 11 951 4500

Fax: +27 800 110 932

PLASCON ADVISORY SERVICE: 0860 20 40 60

EMAIL: advice@kansaiplascon.co.za