



Technical Data Sheet

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

Product name

RAILTECT 1200 WB

ANTI CORROSIVE PRIMER (SAT 248)



PRODUCT DESCRIPTION

A single pack waterborne anti-corrosive primer.

INTENDED USES

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

FEATURES AND BENEFITS

- It is one of the most universal primers available.
- Excellent anti-corrosive properties.
- Can be welded at lower DFT without porosity and excessive burn back.
- Quick drying.
- Accepts a wide range of topcoats, both solvent borne, and water borne.
- Non-toxic pigmentation.
- It exhibits excellent resistance to under film corrosion creep and outstanding adhesion properties.
- This product also has excellent weathering and abrasion resistance.

PRODUCT INFORMATION

Appearance	Matt
Colours	Afrox Mid Buff
Volume Solids	± 39% (typical)
Recommended DFT	Min: 15µm, Max: 45µm
Recommended WFT	Min: 38µm, Max: 129µm
Theoretical spreading rate	8.2m ² /L at 45µm 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	<20g/L
Viscosity	85 - 90KU (typical)
Flash Point	Non-Flammable

APPLICATION DETAILS

Mixing	Stir with a flat paddle until completely homogeneous		
Method	Conventional and airless spray application. Brush for touch up on 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	Water(Maximum 5% by volume)		
Cleaning	Water. Equipment must be cleaned thoroughly with water immediately after use.		
Drying Time	Touch dry	1h at 23°C	
	Overcoating (Min)	16h at 23°C	
	Overcoating (Max)	48h at 23°C	
	Dry to handle	4h at 23°C	

STORAGE AND PACKAGING

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

Shelf Life: 24 months

Single Packs: 20 L

SURFACE PREPARATION

All surfaces must be clean, dry, and free from contamination.

STEEL

- Degrease with STEELTECT 7100 SB(GR 1) followed by fresh water rinses to achieve a water break- free surface.



- Abrasive blast-clean to grade SA 2 ½ of the ISO 8501-1:2007 with a blast profile of 30 – 50 µm. Alternatively prepare steel by wire brushing to grade St 3 of the above standard.
- This is not as effective and results in a shorter maintenance-free life.

GALVANISED IRON

- Clean thoroughly with STEELTECT 7100 WB(GIC 1) followed by clean water rinses until a water break-free surface is obtained. Repeat cleaning if necessary.
- Allow surface to dry before applying of primer.

CONCRETE

- Remove grease, oil, shutter release agents, mould oils and other foreign materials using STEELTECT 7100 SB(GR 1).
- Rinse thoroughly with fresh water to a water break-free surface.
- Remove laitance by mechanical grinding, light blasting and remove all dust.

PREVIOUSLY PAINTED SURFACES

- Remove loose and flaking paint and rust. Degrease with STEELTECT 7100 SB(GR 1).
- Sand glossy paint to a matt finish to provide a key. Dust off.

APPLICATION INFORMATION

- Apply by appropriate method to required DFT
- Apply a second coat if necessary. Allow recommended drying times before overcoating.
- This primer is suitable as a weld-able primer at lower film thicknesses; however, the wearing of air-fed masks is necessary.
- Do not apply at temperatures below 10°C or if the temperature is liable to fall below 10°C during the 4 hours following application or during wet weather conditions.
- In cool weather conditions allow additional drying time before overcoating.
- Not suitable for use on aluminium surfaces.

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.



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- 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.

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