

Technical Data Sheet

Date of Issue: 30/07/2020 Revision Date 30/07/2022 | Version 9.0

Product name

# STEELTECT 2300 SB

QUICK DRYING ENAMEL (QD RANGE)



## PRODUCT DESCRIPTION

Quick drying economical industrial enamel.

## INTENDED USES

- For mild steel, reconditioning of drums, scaffolding.

## FEATURES AND BENEFITS

- Economical industrial enamel with a gloss finish.
- Good adhesion to mild steel.
- Quick drying, touch dry in less than 30 minutes,

## PRODUCT INFORMATION

Appearance	High gloss
Colours	Black(QDE 102), New white gloss(QDE 1010)
Tint Base	Transparent(QDB 1100). Range of colours via tinting with ALCHEMY colourants.
Volume Solids	± 17 % (typical)
Recommended DFT	Min: 30µm, Max: 50µm
Recommended WFT	Min: 200µm, Max: 325µm.
Theoretical spreading rate	3.0m <sup>2</sup> /L at 50µm DFT at stated volume solids.
VOC	<673g/L
Flash Point	<23°C
Viscosity	75 – 80seconds (typical)

## APPLICATION DETAILS

Mixing	Stir with a flat paddle until completely homogeneous
Method	Conventional spray.



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	15min at 23°C	
	Over coating(Min)	1h at 23 °C	
	Over coating(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 Pack: 5L, 20L and 200L

## TINTBASES

- The tint base containers are underfilled to levels which are specific for the tint base to allow for a calculated volume of colourants to be added. The volume indicated on the container is only achieved after the addition of all prescribed colourants as per the formulation.
- The tint base and the colourants are unfinished intermediate products which are not recommended for use by themselves. A finished product is only produced once the prescribed quantities of colourants have been thoroughly mixed with the tint base.

## TINTING PROCEDURE

- Select the required colour and reference no. from suitable fan decks or colour cards and locate the applicable formulation from the tables.
- Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting).
- Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation.
- Inject all required colourants, close container, and shake in mechanical shaker for 5 minutes.



## **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.
- Recommended primers: STEELTECT 1400 SB(SNK Range) or STEELTECT 1100 SB (QDP RANGE) or STEELTECT 1200 SB (SN 152).

### **GALVANISED STEEL:**

- Clean with STEELTECT 7100 W (GIC 1) to obtain a water break-free surface and rinse with clean water.
- Prime with STEELTECT 1200 SB (SN 152) or STEELTECT 1400 SB(SNK RANGE)

## **APPLICATION INFORMATION**

- Thin as recommended and apply to achieve the required DFT
- Bright clean transparent colours may require additional coats.

## **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.



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**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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