



Technical Data Sheet

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Product name

STEELTECT 3400 SB

ELECTROSTATIC ETCH COAT(ES RANGE)



PRODUCT DESCRIPTION

A single pack etch coat.

INTENDED USES

- This product is designed as a fast-drying coating for metal surfaces. It is specified for use on shock absorbers.
- Suitably prepared mild steel, galvanised iron, and abraded aluminium.

FEATURES AND BENEFITS

- Fast drying.
- Resistant to oil spills and splashes.
- Good corrosion protection
- Good temperature resistant properties.

PRODUCT INFORMATION

Appearance	Code	Colour	Gloss @ 60°
	STEELTECT 3410 SB(ES 101)	White	30 – 70%
	STEELTECT 3420 SB(ES 92)	Black	10 – 20%
	STEELTECT 3430 SB(ES 63)	Black	10 – 15%
	STEELTECT 3440 SB(ES 90)	Munroe Yellow	65 – 75%

Volume Solids	± 17 - 21% (typical)
Recommended DFT	Min: 30µm, Max: 35µm
Recommended WFT	Min: 165µm, Max: 195µm.
Theoretical spreading rate	6.0m ² /L at 30µm DFT at stated volume solids.
VOC	<672g/L
Flash Point	<23°C
Viscosity	18 – 24seconds (typical)Ford Cup No.4(ES 101,90,92)



Resistivity 30 – 35seconds(typical) Ford Cup No.4(ES 63)
80 - 150kΩ

APPLICATION DETAILS

Mixing Stir with a flat paddle until completely homogeneous

Method Conventional, airless, and electrostatic 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 Supplied at correct spraying viscosity and conductivity for electrostatic application.

Cleaning THINNER 5060(SNK 7),

Drying Time Touch dry 15min at 23°C
Over coating(Min) 1h at 23°C
Over coating(Max) 1month at 23°C
Dry to handle 30min at 23°C

Stoving schedule

Flash off 5min at 23°C
Stoving 30min at 90°C
Cool 40min at 23°C

STORAGE AND PACKAGING

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

Shelf Life: 24 months

Single Pack: 25L and 200L

SURFACE PREPARATION

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



MILD STEEL

GENERAL APPLICATIONS

- 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

COMPONENT AND OEM MARKET

- For optimum anti-corrosion properties, a 5-stage pre-treatment/phosphating process is advised. This would consist of degreasing, followed by rinse. Then phosphating process/rinse and passivation.

GALVANISED IRON

- Clean with STEELTECT 7100 WB(GIC 1) to a water break-free surface.
- Rinse thoroughly with fresh water and allow to dry.

ALUMINIUM

- Degrease with STEELTECT 7100 SB (GR 1) followed by fresh water rinses.
- Abrade with scouring pads to remove oxide layer. Overcoat within 4 hours.

APPLICATION INFORMATION

- Apply with the specified equipment and to the recommended DFT.
- The gloss and resistance properties are dependent on the correct film build.

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



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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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