

Etch LS Primer



DESCRIPTION

A one component solvented phenolic/polyvinyl-butylral binder, air drying pigmented primer

INTENDED USE

An etch primer which is designed to provide good adhesion to steel and other metal surfaces and will protect the surface against corrosion until the full paint system is applied

PRODUCT FEATURES

- Fast drying – can be handled in 30 minutes at 25°C
- Used as a fast drying shop primer that can be over-coated by a variety of systems – alkyd, epoxy, polyurethane, vinyl etc.
- Excellent corrosion protection. A 25µm film will provide up to three months protection on an inland environment
- Outstanding adhesion and flexibility
- Dry service temperature up 70°C

LIMITATIONS

- Must be over-coated to provide corrosion resistance
- Low solids coating – apply sufficient coats to achieve protection
- Will not adhere to phosphoric acid cleaned or phosphated surfaces

PACKAGING

- 5, 20 and 200Lt Drums

STANDARD COLOUR AVAILABILITY

Grey Black Red Oxide



PRODUCT INFORMATION

- **Number of Components:** 1
- **Density:** 0.93 kg/litre (black)
- **Viscosity** 35 – 40 seconds FC4
- **Volume Solids:** 11%
- **Film Thickness:** Wet - 136µm
Dry - 15µm
- **Spreading Rate:** 7.33m² /lt @ 15µm DFT
- **Temperature Resistance:** Dry 70°C
- **V.O.C.** 735 g / litre

SURFACE PREPARATION

- Degrease surfaces with Speccoats Aqueous Degreaser followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions and sharp edges to a minimum radius of 2mm
- All surfaces must be dry and clean

Steel

- All surface shall be abrasive blast cleaned to grade SA 2 ½ of standard ISO 8501-1 with a blast profile of 30-40µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- Alternatively abrade the surface thoroughly using grinding disks to achieve a similar profile

GRP

- Abrade Lightly with 200 grit water-paper to a matt finish



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APPLICATION

Mixing – one component

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Stir again immediately prior to use.

Application – Equipment & Methods

Brushes	Apply uniform, even coating with high quality brushes from Speccoats
Rollers	Apply uniform, even coating with short pile rollers from Speccoats
Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 7 to 15 Thou Tip Pressure - 70 Bar Min
Conventional Spray	<ul style="list-style-type: none"> Air Assisted Airless Pressure Pot - Pressure Feed Gun Gravity Feed Gun Various Nozzle sets are available to suit the guns

Thinning

- Brush - Thin up to 10% with **Speccoats Etch Thinners**
- Spray - Thin up to 50% with **Speccoats Etch Thinners**

Cleaner

- Cleaning is done with **Speccoats Etch Thinners**

APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	45°C	45°C	85%

*or 3° above the dew point

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
10 minutes at 25°C for 50µm at 65% RH	Minimum	Maximum	30 minutes at 25°C at 65% RH	1 Day
	1 hours at 25°C at 65% RH	No maximum		

STORAGE AND HANDLING

Storage - Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

Flash Point - 4°C

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 29/11/2010**