



ETCH PRIMER

PRODUCT DESCRIPTION

A single pack phenolic\polyvinyl butyral with excellent adhesion & flexibility.

PRODUCT FEATURES

Designed as a holding primer for blasted metal prior to full paint specification. Ideal for steel still to be fabricated, as the coating has no adverse effect on flame cutting & welding (load bearing welds require the coating to be removed prior to welding). Weld splatter does not adhere to the coating surface. Suitable for priming normally difficult substrates, e.g. aluminium, galvanized steel, fiberglass & a variety of alloys. Overcoatable with acrylics, alkyds, epoxies, polyurethanes, vinyls & chlorinated rubbers.

TECHNICAL INFORMATION

Colour: Black, Grey, Green & Red oxide
 Appearance: Matt
 Generic type: Phenolic\polyvinyl butyral
 Spreading rate: 4m²/litre
 Solvent: Lacquer Thinners
 Volume solids: 20% ±3%
 Recommended DFT\coat: 20 - 30µm
 Viscosity at 25°C: 65 – 75 seconds (Ford cup No 4)
 Temperature resistance" 200°C (dry)
 Mix ratio: Single pack ready for use
 Packaging: 1, 5 & 20 litre & 200 litre available on request

SURFACE PREPARATION

All surfaces are to be clean & dry. Remove all oil, grease & other contaminants with water based degreaser, followed by a fresh water wash.

Mild Steel: Remove rust & millscale preferably by abrasive blast cleaning to Grade SA2.5 of International Standard ISO 8501-1:1988 with a blast profile of 30 – 50 microns. Mechanical cleaning to Grade St 3 of the above standards can be done in those areas where blast cleaning is not possible. This, however, can result in a shorter maintenance free life.

Aluminium & Galvanised steel: Degrease using Superclean, followed by a fresh water wash. Coat as soon as possible, normally recommended to coat within 30 minutes of cleaning.

Fibreglass: Flat surfaces, with abrasive paper 220 mesh & degrease using Superclean, followed by a fresh water wash.

NB: Never prepare surfaces for painting that are going to stand overnight or that can not be painted within 1 hour of preparation in inclement weather.

APPLICATION

Airless spray: Nozzle pressure: 200 bar
 Nozzle orifice: 0.017"

Conventional spray: Air pressure: 1.5 – 2 bar

Nozzle orifice: 1.5 – 2mm

Brush and Roller: Suitable as supplied

Clean up: Use Lacquer Thinners only

NB: For Conventional & Airless spray, dilute with Lacquer Thinners 1:1 (1 part paint: 1 part thinners). If problems are encountered, please phone our Technical Department on 013 246 2570.

ENVIRONMENT

It is recommended that application be confined to the following:

Surface temperature: Min. 5°C Max. 40°C
 Ambient temperature: Min. 5°C Max. 40°C
 Relative humidity: Min.0% Max.85%
 Or at least 3°C above Dew point

DRYING TIME

Drying time is dependant on 2 factors – Temperature & film thickness. Figures given refer to a film thickness of 100 microns.

Substrate Temp	Touch Dry	Hard Dry
5°C	1 hour	4 hours
15°C	35 minutes	2 hours
25°C	10 minutes	45 minutes
30°C	5 minutes	30 minutes

OVERCOATING TIMES

Surface Temperature	Minimum	Maximum
5°C:	12 hours	Indefinite
15°C:	4 hours	Indefinite
25°C:	1 hour	Indefinite
30°C:	30 minutes	Indefinite

All the above are given as guidelines only & can not be assumed to be absolute, as variances will result from differences in film thickness, environment & surface temperatures.

STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold.

Shelf life: 1 year in original sealed containers.

Flash point: 5°C

SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses when using Etch Primer. When spraying Etch Primer, always wear a respirator. This product contains flammable materials. Keep away from sparks & open flames & no smoking should be permitted in the area.

KEEPOUTOFREACHOFCHILDREN.

Information Provided is based on Laboratory evaluations and data believed to be reliable.
 Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for their own use.
 It is not to be considered a guarantee of the products properties.

For more information contact our Factories:
Western Cape: Tel/Fax: (021) 853-8105 **Mpumalanga:** Tel: (013) 246-2570 Fax: (013) 246-2573