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## PRODUCT INFORMATION SHEET

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# INDUSTRIAL ETCH PRIMER

### Description:

Single pack Vinyl and Epoxy based etch primer with exceptional adhesion to ferrous and non-ferrous metals.

### Uses:

High adhesion **etch primer** for application to mild steel , galvanised steel (see note), zinc-anneal, stainless steel, brass, copper, aluminium , lead, and fibreglass.

Recommended for use as an **etch primer** when thinned and applied as a single wet coat.

May be overcoated with most industrial paint systems including **HiChem Quick Dry Enamel, QD601 Super Enamel**, Auto Enamel, Acrylic Lacquers, Nitrocellulose Lacquers, Epoxies, Polyurethanes, *Rust-Not* Epoxy Enamels, Acrylic-Urethanes and 2 Pack Iso Free Acrylics.

### Properties :

- Exceptional adhesion to all common metals.
- Excellent corrosion resistance.
- May be left without topcoat for up to 8 weeks.
- Rapid drying.
- Gloss Level - Satin

### Thinning:

May be thinned with 30% to 50% *Reducer 285* multipurpose thinners..

May be applied without thinning for increased filling and build properties

### Surface Preparation:

Steel: Remove rust, solder and other loose material with grinder, wire brush or mechanical sander. Treat residual rust with *Deoxidiser and Rust Remover*.

Surface should be cleaned with *Prepwash* wax and grease remover just prior to primer application.

#### Galvanised Steel:

Clean and degrease with *Prepwash* while abrading the surface with a **coarse** abrasive pad such as **Motospray Abrasive Hand Pad** (Maroon or Green). Abrade new or shiny surfaces until all shine is removed. Abrade to remove surface corrosion, grime and short term protective coatings. Wash again with *Prepwash* and dry with lint free cloths.

Alternatively, wash with a phosphoric acid based metal treatment such as Deoxidine 624 or Emerclean using a **Motospray Abrasive Hand Pad** or equivalent abrasive pad. Ensure surface is rinsed and dried according to instructions before applying *Industrial Etch Primer*. A small area should be tested to ensure adhesion is acceptable.

Apply *Industrial Etch Primer* as one light, wet coat as with conventional etch primers.

Aluminium: Thoroughly clean and degrease with *Prepwash*. Abrade with **coarse** abrasive pad such as **Motospray Abrasive Hand Pad** (Maroon or Green). Clean with *Prepwash* again. Apply *Industrial Etch Primer* as a single, thin wet coat. Aluminium quickly forms a greasy oxide film on exposure to air. To maximise adhesion, apply *Industrial Etch Primer* within 2 hours of cleaning.

**Note** : Some surfaces may require specific treatments. eg There are different grades of galvanised steel with varying surface treatments. Some have short term protection imparted by a light oil film, others by a polymer film which will not take an etch primer direct. Metal producers issue specifications that may include painting guides for different grades of metal. It is important to consult these guides before issuing painting specifications, especially for larger projects.

**Application:**

1. Stir thoroughly before and during use.
- 2.. Thin with 30-50% *Reducer 285* multipurpose Thinners and spray one light wet coat.
3. Do not sand. May be overcoated with primers such as Acrylic Primer Surfacer or Enamel Primer Surfacer where sandable surfacer is required, or with 3250 or 3260 Metal primers where sanding is not a requirement.
4. In most circumstances, *Industrial Etch Primer* may be over +coated with the selected finish coat without additional primer coats being used.
5. May be applied by brush to small areas only.

**Recommended Film Thickness:** - Approx. 6-12 micron as an etch primer.

**Coverage:** Recommended spreading rate 12 to 15m<sup>2</sup>/litre.

**Drying Time :** at approx. 20<sup>0</sup>C.

Touch Dry- 10 minutes

Dry to handle - 30 minutes

Recoat - 1 hour Minimum

These times may be extended at lower temperatures

**GENERAL DATA**

**Vehicle Type:** Based on Vinyl and Epoxy resins.

**Etch Type:** Phosphoric Acid

**Anticorrosive properties:** imparted by Zinc Phosphate pigmentation (greater than 10% in dried film).

**Volume Solids:** approx. 8 to 10%

**Viscosity:** 22 to 25 seconds at 20<sup>0</sup>C by Ford 4 Cup.

**Gloss Level:** Satin

**Colours:** Light Grey.

**Standard Packages :** Product Code **Light Grey** 20 litre IEP20

**Lead Content:** 0% Metallic Lead

*The information contained in this bulletin is presented in good faith based on thorough laboratory and field testing but without warranty. As we have no control over the conditions under which these products are used, it is recommended that all products be tested by the end user to ensure the suitability of the product for the particular application and conditions.*