RUST-OLEUM®
MOTOSPRAY™

Product/Technical Data Sheet (TDS)

Super Etch Primer

Description:
Single pack epoxy etch primer with exceptional adhesion, fast drying time and sandable after a very short period of drying.

Uses:
High adhesion **etch primer** for application to mild steel , galvanised iron (see note), zinc-anneal, stainless steel, chrome, brass, copper, aluminium , lead, fibreglass.
May be used as a **conventional primer** of normal film build or as a high adhesion etch primer when thinned and applied as a fine mist coat.
May be over coated with nearly all paint systems eg. *Quick Dry Enamel*, *QD601 Super Enamel*, *Auto Enamel*, *Acrylic Lacquer, Rust Not,* Nitrocellulose Lacquers, Epoxies, Polyurethane, Epoxy Enamels, Acrylic-Urethanes, *2 Pack Iso Free Acrylic Finish*.

Properties :
- Exceptional adhesion to all common metals.
- Rapid drying.
- Fast sanding –may be sanded from 15 minutes after application depending on film build, application and drying conditions.
- Excellent corrosion resistance.
- May be left without topcoat for up to 3 months.
- Gloss Level - Satin

Thinning:
May be thinned with up to 50% *Superglow* multipurpose thinners.
• For normal film build when used as a Primer, thin 10-20% with *Superglow*.
• For a mist coat when used as a conventional Etch Primer, thin 40-50% with *Superglow*.

Surface Preparation:
Steel: Remove rust, solder and other loose material with grinder, wire brush and mechanical sander. Treat residual rust with *Deoxidiser and Rust Remover*.
Surface should be cleaned with *Prepwash* wax and grease remover.

Galvanised Steel:
Clean and degrease with *Prepwash* while abrading the surface with a **coarse** abrasive pad. Abrade new or shiny surfaces until all shine is removed. Abrade to remove all surface corrosion, tough grime and short term protective coatings. Wash again with *Prepwash* and dry with clean cloths.
Alternatively, wash with a phosphoric acid based metal treatment such as Deoxidine 624 or Emerclean using a coarse abrasive pad. Ensure surface is rinsed and dried according to instructions before applying *Superetch*. A small area should be tested to ensure adhesion is acceptable.
Apply *Superetch Primer* to 6-12 micron dry film thickness as a conventional etch primer.

Aluminium:
Thorough surface preparation is critical with aluminium surfaces.
Round off all sharp edges and corners. Remove weld spatter and grind welds smooth.
Clean and degrease with *Prepwash* . The rags should be frequently discarded so that contamination is cleaned off as opposed to being spread by dirty rags. This step is especially important for new aluminium which is usually contaminated with a film of roll forming oil.
Thoroughly abrade by sand blasting (whip blasting), by machine using 60 grit aluminium oxide paper, or by hand using 80-120 grit wet & dry paper or coarse (maroon) abrasive pad.
Clean and degrease again with *Prepwash.*

Apply *Superetch Primer* as soon as surface preparation is complete and in any case within 4 hours (Aluminium quickly forms a greasy oxide on exposure to air).
Apply *Superetch Primer* to 6-12 micron dry film thickness.

Stainless Steel:
Clean and degrease with *Prepwash* while abrading the surface with a **coarse** abrasive pad. Abrade new or shiny surfaces until all shine is removed. Wash again with *Prepwash* and dry with clean cloths.
Apply *Superetch Primer* to 6-12 micron dry film thickness.

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.
It is the responsibility of the user to test this product to ensure its suitability for the intended use.

Application:
1. Stir thoroughly before and during use.
2. When used as a **conventional primer**, thin with up to 25% *Superglow* and spray one-two double coats. Flat with Abrasive Pads or Sandpaper (400 grit paper or finer) before top coating.
3. When used as an **etch primer**, thin with 40-50% *Superglow* and spray one light mist coat. Do not sand. May be overcoated with primers such as *Acrylic Primer Surfacer* or *Enamel Primer Surfacer* which can then be sanded to a smooth surface prior to application of top coat.
4. May be applied by brush to small areas only.

Caution: Super etch primer is designed for excellent adhesion to bare metals. It may adversely effect some paint films when it is applied over them eg. some enamels.
Take care when doing touch ups, spot repairs or repaints. Suitable over automotive acrylics, N.C. lacquers, 2 pack epoxy, 2 pack automotive acrylic-urethanes. Not suitable over QD Enamel or Auto Enamel. Do not use under Polyester Spray Putty or polyester body filler. If in doubt test on a small inconspicuous area.

Recommended Film Thickness: - Approximately 20-25 microns dry film as a conventional primer.
- Approx. 6-12 micron as an etch primer.

Drying Time: at approx. 20°.
Touch Dry- 5 minutes Dry to handle - 15 minutes
Sanding - may be sanded from 15 minutes after application depending on film build, application and drying conditions. Recoat - 1 hour

GENERAL DATA
Vehicle Type: Based on hard epoxy resin
Etch Type: Phosphoric Acid
Anticorrosive properties: imparted by Zinc Phosphate pigmentation (greater than 15% in dried film).
Coverage: Theoretical 4.4 m²/litre at 25 micron dry film thickness.
Theoretical 8.8 m²/litre at 12 micron dry film thickness.
Volume Solids: approx. 11%
VOC Level: 730g/L
Viscosity: 25 seconds at 200C by Ford 4 Cup.
Gloss Level: Satin
Colours: Light Grey or Black. Other colours available on request. Conditions apply. Contact your local representative for more information.

Standard Packages : Light Grey Black
Product Codes 1 litre SEP1 SEPB1 4 litre SEP4 SEPB4 20 litre SEP20 SEPB20
AEROSOL 400gram EP400 (grey only)

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.