

Resene Vinyl Etch

adhesion primer

Resene Vinyl Etch Primer combines all the versatility of the normal two pack product with the convenience of a stable single pack. The fast drying time, adhesion, abrasion resistance, and overcoatability features have all been maintained in this highly effective chromate free primer/pretreatment.

Typical uses

As a pre-treatment, blast primer, or holding primer on:

- Aluminium metal spray
- Aluminium sheet and extrusions
- Copper and its alloys
- Galvanised steel
- Old varnished surfaces
- Smooth cementitious surfaces
- Steel pipes
- Steel plate
- Structural steel
- Zinc metal spray

Vehicle type	Vinyl butyral/phenolic
Pigmentation	Inhibitive (chromate free)
Solvent	Alcohol/aromatic/ether
Finish	Flat
Colour	Red oxide, grey, black
Dry time (minimum)	Touch dry: 15 minutes at 18°C
Recoat time (minimum)	1 hour at 18°C
Theoretical coverage	12.5 sq. metres per litre at 12 microns DFT 7.5 sq. metres per litre at 20 microns DFT
Volume solids	15%
Recommended DFT	12-20 microns
Overcoating	Acrylics, alkyds, epoxies, urethanes, vinyls
Abrasion resistance	Excellent
Chemical resistance	Fair
Heat resistance	100°C (continuous)
Solvent resistance	Fair
Durability	See Limitations
Thinning and clean up	Thin with Resene Thinner No.4 Clean up with Resene Thinner No.4 or methylated spirits
Pack size	500ml, 1 and 4 litre
VOC	c. 729 grams per litre

Physical properties

Performance

1. Very rapid dry and overcoating times.
2. Unsurpassed adhesion over a variety of metal surfaces.
3. Useful over several plastics and laminated surfaces.
4. Compatible with most topcoats making it a very useful blast primer.

Limitations

1. Resene Vinyl Etch is not designed to give long-term exterior protection without overcoating. When used in a severe marine environment it should be overcoated within a week. Durability of up to three months can be expected in mild marine conditions or better. With reasonable storage conditions coated articles will be protected for over a year. A film thickness of 20 microns is recommended with a period of exterior exposure is envisaged.
2. Drying times of solventborne paints may be extended when applied directly over Resene Vinyl Etch.
3. Not suitable for direct overcoating with Resene Imperite I.F. 500 Series (see [Data Sheet RA81](#) and [Data Sheet RA82](#)) topcoats.

Vinyl Etch adhesion primer

Surface preparation

Cementitious surfaces

Surfaces must be free of laitance, form release agents and curing membranes, oil and grease.

Non-ferrous metals

Degrease with Resene Emulsifiable Solvent Cleaner (see [Data Sheet D804](#)) or Resene Roof Wash and Paint Cleaner (see [Data Sheet D88](#)) followed by liberal rinsing with clean water. If corrosion products are present, contact Resene for suitable removal methods.

Steel - cold rolled

Degrease with Resene Emulsifiable Solvent Cleaner (see [Data Sheet D804](#)) according to SSPC SP1 solvent cleaning.

Steel - hot rolled

Degrease with Resene Emulsifiable Solvent Cleaner (see [Data Sheet D804](#)) according to SSPC SP1 solvent cleaning. Remove mill scale by light brush blast.

Steel - rusted

Degrease with Resene Emulsifiable Solvent Cleaner (see [Data Sheet D804](#)) according to SSPC SP1 solvent cleaning. Remove rust by pickling; power tool cleaning to SSPC SP3; or sandblasting to minimum SSPC SP10 (Sa 2.5). The steel should be blast cleaned to SSPC SP10 (Sa 2.5) to ensure adequate results under severe conditions.

Welds

Remove weld spatter and grind all sharp edges smooth. Wash thoroughly with water to remove flux residues and treat as for rusty steel.

Residues and dust from old paint systems containing lead or chromate may be dangerous to the health of the operator and the environment. Ensure approved procedures are put in place to safeguard against this.

Application

Mixing

Spray or brush (small areas only).

Thinning

The product is supplied at application consistency but some thinning may be required depending on spray equipment set-up. Thinning even up to one to one with Resene Thinner No.4 will not affect the efficiency of the product.

Safety precautions

Consult Safety Data Sheet for this product prior to use. Users should ensure that they are familiar with all aspects concerning safe application of this product. IF IN DOUBT, DO NOT USE THIS PRODUCT.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
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Resene
the paint the professionals use

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