

SELECTION & SPECIFICATION DATA

Generic Type	Single pack modified epoxy etch
Description	Altra~Etch® is a single pack etch primer, conforms to AS 3884 Type 1 and AS 3750.17 Type 1. Altra~Etch is versatile etch primer suited to many light industrial applications and may be top-coated with most finish coats.
Features	<p>Excellent adhesion to most common metals:</p> <ul style="list-style-type: none"> • Galvanized steel • Zinc sheet • Aluminium sheet & extrusions • Mild steel • Zinc & aluminium spray <p>Versatile, convenient, stable single pack primer Fast drying Good abrasion resistance Compatible with a wide variety of topcoats</p>
Colour	Grey & Red
Gloss	Satin
Film Build	15 - 20 microns Do not exceed 30 microns
Solid(s) Content	10% ± 1%
Theoretical Coverage Rates	5.0 sq. metres per litre at 20 microns DFT
Dry Temp. Resistance	Continuous: 80°C (176°F) Non-Continuous: 100°C (212°F)
Limitations	<ul style="list-style-type: none"> • Altra~Etch is not designed to give long term exterior protection without over-coating • Altra~Etch is not normally used in any immersed environment
Topcoats	May be over-coated with most topcoats including enamels, chlorinated rubber, vinyl-acrylic, epoxy and polyurethane
Specific Gravity	0.97 kg per litre

SUBSTRATES & SURFACE PREPARATION

General	<p>All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture and other foreign substances prior to application of this product. Clean and/or degrease with either a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Cleaner.</p>
Steel	<p>For optimum results abrasive blast to Near White Metal equivalent to AS 1627.4 Class 2½. Satisfactory results will be obtained by abrasive blast to AS 1627.4 Class 2 For smaller areas or less critical exposure power tool cleaning to AS 1627.2 will provide acceptable service.</p>

SUBSTRATES & SURFACE PREPARATION

Galvanized Steel	Degrease with a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Surface Cleaner. For electro-deposition zincs, abrasion with a Scotchbrite® pad or P220-320 sandpaper is required to create a light surface profile. In the case of hot-dip galvanizing it is essential that all traces of dichromate (or similar) quench passivation are removed. This is often best accomplished with a light sweep abrasive blast or <u>very thorough</u> scouring with a synthetic scour pad or mechanical sander.
Aluminum	Degrease as for galvanizing. Typically surfaces should be lightly abraded with either a Scotchbrite® pad or P220-320 sandpaper. <i>Scotchbrite® is a registered trademark of the 3M Company</i>

MIXING & THINNING

Mixing	Stir thoroughly to ensure a homogeneous condition. This product is supplied at application consistency however some thinning may be required depending upon the type of surface to be painted and the prevailing ambient conditions.
Thinning	Thinning is not normally required; however up to 10% Altex Thinning Solvent #155 may be added without adverse affect on the coating.
Pot Life	N/A - single component

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General	The preferred method of application for this product is by spray. Small areas may be brushed or rolled if conditions are suitable; however care must be taken to ensure the correct film build is applied.
Air Spray	Conventional Air Spray, suction cup set-up gives greater control than that using pressure pot equipment. 1.0mm to 1.4mm Fluid Tip with appropriate Air Cap.
Airless Spray	Not recommended

CURING SCHEDULE

Curing Details	Dry Times (25°C / 20 µm DFT / 50% RH): Touch Dry: 5 minutes To Handle: 15 minutes Recoat Minimum: Self: 1 hour Alkyd: 2 hours Other: 4 hours Recoat Maximum Within 90 days (unexposed to weathering)
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CLEANUP & SAFETY

Cleanup | Use Altex Thinning Solvent #55 or Thinner #76

Ventilation

It is very important for the safety of the applicator and the proper performance of the applied coating that good ventilation be provided to all portions of the enclosed area. It is equally important to bring into the enclosed area dry fresh air to remove all solvent vapours. Since solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure all of the solvents are removed from the coating.

Caution

For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Safety Data Sheet (SDS) for health and safety information prior to use. This product is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

PACKAGING, HANDLING & STORAGE

Shelf Life | 12 months at 24°C

Storage Temperature & Humidity | 0°-40°C
0-90%

Flash Point (Setaflash) | 12°C

Storage | Store indoors under cool (10°-24°C) dry conditions

Packaging | 1 litre & 4 litre

APPROVALS

Approvals NZ/AU | **Product Conformity**
Altra~Etch® conforms to AS 3884 Type 1 and AS 3750.17 Type 1 "Single Pack Etch Primer"

WARRANTY

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