

The Multi-Gard GP (general purpose) products are formulated to protect steel substrates in a variety of service exposures typical of industrial OEM equipment destinations. The Multi-Gard line tends toward rapid cure to handle and re-coat to facilitate through-put in shop painting applications.

Selection & Specification Data

Generic Type	Formerly Altra~Etch Multi-Gard® Etch ^{AU} is a modified epoxy etch
Description	Single pack, rapid dry, versatile etch primer suited to many light industrial applications. Can be topcoated with Multi-Gard GP 14 ^{AU} & GP 48 ^{AU}
Features	<ul style="list-style-type: none"> • Excellent adhesion to most common metals • Good abrasion resistance • Compatible with a variety of topcoats • Conforms to AS 3884 Type 1 and AS3750.17 Type 1 • Suitable as a prefabrication holding primer
Gloss	Satin
Colour	White, Grey and Black
Primers	Self-priming
Topcoats	Multi-Gard® Hammerfinish ^{AU} , GP 48 ^{AU} and GP 14 ^{AU}
Dry Film Thickness	20µm
Solids Content	10%
Theoretical Coverage Rate	20 microns DFT covers 5 sq. metres per litre
Mix Ratio	N/A
VOC Values	As supplied: 735 g/L May vary slightly from colour
Dry Temp. Resistance	100°C
Limitations	<ul style="list-style-type: none"> • Not designed to give long term exterior protection without over coating. • Not normally used in an immersed environment.

Substrates & Surface Preparation

General	All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 (SSPC SP1) solvent cleaning.
Steel	<p><u>Minimum:</u> Thorough power or hand tool cleaning to AS 1627.2 St 3 or 1627.7 St 2.</p> <p><u>Optimum:</u> AS 1627.4 Class 2 (SSPC-SP6) with a 50-75 micron surface profile for maximum protection.</p>
Galvanized Steel & Aluminium	Sweep abrasive blast to a matter finish with non-metallic blast media.

Application Equipment

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 Guidelines:**

Spray Application (General)	The following spray equipment has been found suitable and is available from manufacturers such as DeVilbiss and Graco.
Conventional Spray	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 1.0mm to 1.4mm fluid tip and appropriate air cap.
Airless Spray	Not recommended
Brush & Roller (General)	Touch-up and small areas only if conditions are suitable, however care must be taken to ensure the correct film build is applied.

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Multi-Gard[®] Etch^{AU}

Mixing & Thinning

Mixing	Use mechanical agitation for proper mixing, to ensure a smooth homogenous condition. Stir until thoroughly mixed.
Ratio	N/A – single pack
Thinning	Thin up to 10% with Thinning Solvent #155. Use of other thinners may adversely affect product performance and void product warranty, whether expressed or implied.
Pot Life	N/A

Cleanup & Safety

Cleanup	Use Thinning Solvent #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.
Ventilation	When sprayed may be harmful by inhalation - do not breath vapour or spray. Wear suitable clothing, gloves, eye and face protection.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Min - Max	10°-32°C	10°-60°C	10°-50°C	0-80%

Industry standards are for substrate temperatures to be 3°C above the dew point.

Curing Schedule

Surface Temp. & 50% RH	Dry to Touch	Dry to Handle	Max topcoat with other	Max topcoat with itself
10°C	35 min	1 hour	12 hours	90 days
15°C	20 min	30 min	6 hours	90 days
25°C	5 min	15 min	4 hours	90 days
32°C	5 min	10 min	3 hours	90 days

Packaging, Handling & Storage

Pack Sizes 1 litre, 4 litre and 10 litre packs

Flash Point (Setaflash) 12°C

Storage Temperature & Humidity Store under cover in dry conditions. 4°-38°C

Shelf Life 12 months at 24°C

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers**



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