

## Technical Data Sheet

# Valspar Industrial Etch

FOR PROFESSIONAL USE ONLY

27-May-2011



### GENERAL INFORMATION

Valspar Industrial Etch is a single component epoxy etching primer/pre-treatment which provides excellent resistance to corrosion. Valspar Industrial Etch is designed to promote adhesion over ferrous, and non-ferrous metal.



### 1. COMPONENTS

Valspar Industrial Etch Base  
Valspar Thinners 171-174



### 2. MIXING RATIO

Ready to spray. Refer gun set up



### 3. POTLIFE at 25°C

N.A.



### 4. CLEAN UP

Uni-Solvent 171-174



### 5. SUBSTRATES

• Mild Steel	Brass
• ZINCALUME®	Copper
• COLORBOND®	Lead
• Chrome	Stainless Steel
• Aluminium	Galvanised Iron



### 6. APPLICATION

- Spray one to two medium wet coats.
- Allow 5-10 minutes between coats or until surface has dulled to a matt finish



### 7. FLASH / DRY TIMES AIR DRY at 25°C

• Flash between coats	5-10 mins
• Touch Dry	5 mins
• Dry to Handle	20 mins
• Hard Dry	1 Hour
• To Topcoat	1 Hour
• To Topcoat without sanding	3 Months



### 8. GUN SET UP Conventional Gun

- |                |                          |
|----------------|--------------------------|
| • Nozzle       | 1.4-1.8mm                |
| • Air Pressure | 350-450 kPa<br>50-60 psi |
| • Thinning     | 10-30%                   |



### Airless

- |                   |   |
|-------------------|---|
| • Nozzle          | 0.28mm (0.011in)                                    |
| • Air Cap         | 1.3 – 1.5mm   |
| • Nozzle Pressure | 12MPa (1700 psi)<br>See spray gun Manufacturer info |
| • Thinning        | Up to 10%   |



### 9. PHYSICAL DATA

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| • Viscosity (RTS) #2 Sig. Zahn @ 25°C | 12-18 sec                           |
| • Viscosity (RTS) DIN 4 @ 25°C        | <15 sec                             |
| • Recommended DFT                     | 20 microns                          |
| • Total Solids by Volume (RTS)        | approx 10%                          |
| • Coverage                            | 5m <sup>2</sup> /L @ 20 microns DFT |

### 10. SURFACE PREPARATION

Thoroughly degrease to remove all oil, grease and other surface contaminants.

Mild steel: remove all rust and any loose materials by wire brush or Mechanical Sander.

Non-Ferrous Metals: Abrade using an abrasive pad or wet and dry sandpaper.

#### Notes

1. Substrate temperature should be at least 3°C above the dew point.
2. Relative humidity should not exceed 85%