

03-September-2018



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

Colours: Grey, Black, White, Red Oxide

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
- ZINCALUME[®]
- Stainless Steel
- 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
50-60 psi
- Thinning 10-30%



Airless

- Nozzle 0.28mm (0.011in)
- Air Cap 1.3 – 1.5mm
- Nozzle Pressure 12MPa (1700 psi)
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 5m²/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%