



# TECHNICAL DATA SHEET

**AP-4440**

**PROTEC  
ETCH PRIMER**

## PRODUCTS

Protec Etch Primer	AP-4440
Protec Etch Primer Hardener	AH-4450

## PRODUCT DESCRIPTION

Protec Etch Primer is a 2 pack chromate free etch primer designed for use under Quickline, Paraglaze & Carmaster refinish 2 pack primers, it will provide maximum adhesion and corrosion resistance when working on large areas of bare steel, galvanised steel, aluminium and fibreglass.

## SUBSTRATES & PREPARATION



Bare steel after degreasing with R123 HD Wax & Grease Remover, sanding with P120 to P150 grit dry abrasive & conditioning with 971 Metal Conditioner & Degreaser.

Aluminium after cleaning and degreasing with R123 HD Wax & Grease Remover. The surface then needs to be abraded with a 50/50 mix of methylated spirits and clean water using a scouring pad such as Mirka Mirlon or equivalent. Final degrease again with R123 HD Wax & Grease Remover.

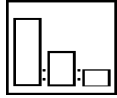
GRP Fibreglass that has been thoroughly cleaned with 978 Surface Cleaner, sanded with P150 to P240 grit dry abrasive and finally degreased with R123 HD Wax & Grease Remover.

Zinc coated metals can vary in alloy composition therefore it is recommended that you carry out an adhesion test before completing any major work. As a minimum Zinc substrates should be cleaned and degreased with R123 HD Wax & Grease Remover. The surface then needs to be abraded with a 50/50 mix of methylated spirits and clean water using a scouring pad such as Mirka Mirlon or equivalent. Final degrease again with R123 HD Wax & Grease Remover.

**Do not apply under or over Acrylic lacquer or Polyester bodyfiller products.**

**All surfaces must be clean, dry and free from any contamination before priming.  
Please see relevant cleaning product datasheets for more information.**

## MIXING RATIO BY VOLUME



### PRODUCT

AP-4440

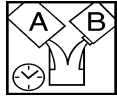
AH-4450

### PARTS

1

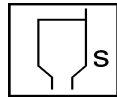
1

## POTLIFE



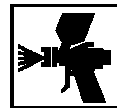
2.5 hours at 20°C

## SPRAY VISCOSITY @ 20°C



13-15 Seconds (DIN4)

## SPRAYGUN SETUP



1.3mm - 1.5mm

## SPRAY PRESSURE

HVLP / RP

2 – 3 bar

CONVENTIONAL

45 – 55 PSI / 300-380 KPA

## NUMBER OF COATS & FLASH OFF

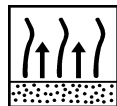


One coat

Flash off

Apply an even medium coat

20 Minutes at 20c



Make sure the product has flashed off 20 minutes before overcoating with a 2 pack primer

## OVERCOAT WITH

Any Paraglaze, Quickline or Carmaster 2 pack primer. *Wet on wet primers can be used over etch primer but do not directly apply basecoats or topcoats to etch primers. **This product must be primed immediately after the 20 minute flash off period.***

## TOTAL DRY FILM BUILD

15 - 20 um

## EQUIPMENT CLEANING

After use, clean all equipment thoroughly with cleaning solvent or thinner.

## HEALTH AND SAFETY

**Please refer to Material Safety Data Sheets for full Health and Safety details.**

Hardeners in primers used over this product contain isocyanate and therefore particular safety precautions must be taken.

Goggles must be worn when mixing and using to prevent accidental splashing into the eye. If contact occurs with eyes give prolonged irrigation with water and get medical attention immediately.

Good ventilation and extraction must be provided in the working environment.

Wear suitable protective equipment to prevent skin contact with this material.

When spraying this product the operator (and persons in vicinity) must wear suitable air-fed breathing apparatus. Do not smoke whilst using this material.

This product is for professional use only.  
The information given in this sheet is for guidance only. Any person using the product without first making further inquiries as to the suitability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.  
Drying times quoted are average times at 20°C/68°F. Film thickness, humidity and shop temperature can all affect drying times.

Before using refer to Material Safety Data Sheet obtainable from Protec Pty Ltd.

Follow all directions and warnings fully and carefully. Otherwise do not use this product

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