

AIRSPEED SINGLE PACK ETCH PRIMERS

INTRODUCTION

A range of single pack etching primers for application to suitably prepared non ferrous and ferrous substrates such as aluminium, aluminium alloys, zinc and smooth iron and steel surfaces where high adhesion is required. AIRSPEED SINGLE PACK ETCH PRIMERS provide a firm highly adherent tie coat prior to the application of subsequent coats of AIRSPEED priming, intermediate or finishing coats and also VITROS stoving enamels as well as a wide range of other products. AIRSPEED SINGLE PACK ETCH PRIMERS combine ease of application together with rapid drying and etch to allow high volumes to be painted in a very short space of time.

AVAILABILITY

Supplied from stock in the following shades:-

P205 Grey P207 Red Oxide P208 White P210 Black

Other shades manufactured to customers own requirements subject to current minimum order size.

PACKAGE SIZES

Supplied in 5 litre lever lid cans and 20 litre pails.

COMPOSITION

Polyvinyl butyral phenolic with suitable organic and/or inorganic pigments and extenders in a suitable solvent blend with phosphoric acid.

APPEARANCE WHEN DRY

Eggshell as per shade .

SHELF LIFE

12 months in original unopened container

SOLIDS BY WEIGHT

29% Typical

SOLIDS BY VOLUME

15% Typical

SPECIFIC GRAVITY

1.0 Typical

FLASH POINT

<21°C (Abel Closed Cup)

VISCOSITY AS SUPPLIED

100 seconds (BS EN ISO 2431)

DRYING TIMES

Touch dry: 40 - 60 minutes at 20°C

Dry for handling: 60 minutes at 20°C

Dry for overcoating: 4 hours minimum.

SURFACE PREPARATION

Aluminium and aluminium alloy substrates should be clean and dry free from surface contamination and thoroughly degreased with Crosbie's 800/002 Thinner or a suitable degreasing solution, and if possible lightly abraded to give a mechanical key. Zinc substrates such as galvanising should be prepared as for aluminium, however, for optimum adhesion zinc surfaces may be pre-treated. Ferrous surfaces should be clean and dry free from rust, millscale oil and grease. Surface preparation should be carried out by the utilisation of scrapers, wire brushes, abrasive papers etc. followed by de-greasing with a suitable solvent such as Crosbie 800/002 Thinners, or a suitable de-greasing solution. Inferior surface preparation will almost certainly result in inferior coating performance.

APPLICATION

Formulated for application by conventional air assisted spray. An addition of approximately 30 - 40% 800/034 Thinner will be required to achieve optimum atomisation viscosity. Typical atomising air pressure 40 - 60 PSI. May also be airless sprayed. A typical set up would be a tip size of 11 - 13 thou and a fluid pressure of 1800 PSI. An addition of 800/034 Thinner may also be required to achieve application viscosity. Small areas may be brushed if required.

THEORETICAL COVERAGE

Applied at 10m² per litre will give a DFT of 15μ, corresponding WFT 100μ.
Losses on narrow section and bar may be considerable due to overspray.

OVERCOATING

May be overcoated with AIRSPEED primers, intermediate and finishing coats as required and also VITROS stoving enamels.

SOLVENT FOR THINNING AND CLEANING EQUIPMENT

800/034 Thinners

ADDITIONAL INFORMATION

Crosbie Coatings Limited believe that the aforementioned information is to the best of our knowledge correct but no responsibility can be held for conditions of use beyond our control. Should there be any query as to the suitability for use please do not hesitate to contact the Technical Department of Crosbie Coatings Limited.

HEALTH AND SAFETY INFORMATION

This Data Sheet should be read in conjunction with Product Safety Data Sheet 14.