

## URETHANE ALKYD ZINC PHOSPHATE PRIMER/UNDERCOAT

### INTRODUCTION

A high quality zinc phosphate anti corrosive metal primer/undercoat for application to suitably prepared ferrous substrates such as steel fabrications, machinery and steel buildings. Giving good build and application providing a tough durable primed surface with good adhesion and mechanical properties, which may be overcoated with many products from the AIRSPEED range. This product is extremely versatile, being able to be applied by both brush and spray application whilst maintaining favourable drying properties. When fully dried these products have resistance to many lubricating oils and also mild solvents.

### AVAILABILITY

Range available on request.

### PACKAGE SIZES

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

### COMPOSITION

A urethane alkyd medium with organic and inorganic pigments in a suitable hydrocarbon solvent.

### APPEARANCE WHEN DRY

Sheen as per product. Normally matt or slight sheen.

### SHELF LIFE

12 months in original unopened container

### SOLIDS BY WEIGHT

65% - 70%

### SOLIDS BY VOLUME

42% - 50%

### SPECIFIC GRAVITY

1.25 - 1.30

### FLASH POINT

38°C (Abel Closed Cup)

### VISCOSITY AS SUPPLIED

100 +/- 10 seconds (BS EN ISO 2431) or 1.5 poise (BS3900 Part A7-1).

### DRYING TIMES

Touch dry: 2 hours at 20°C

Dry for handling: 4 - 6 hours at 20°C

Hard dry: 6 - 8 hours

Dry for overcoating: 16 hours at 20°C

### SURFACE PREPARATION

All 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 800/002 Thinners, or a suitable de-greasing solution. Inferior surface preparation will almost certainly result in inferior coating performance. Shotblasting to Swedish Standard SA2½, BS 7079 or equivalent is the preferred method of surface preparation.

### APPLICATION

Formulated for application by both brush and spray.

Ready for use by brush application.

Conventional spray. An addition of approximately 10% 800/002 Thinner will be required to achieve optimum atomisation viscosity. Atomising air pressure 40 - 60 PSI.

Airless spray. Ready for use as supplied. A typical airless spray set up would require an atomising fluid pressure of 2000 Psi and a tip size of 13 - 15 thou or preferably a titan variable tip or equivalent.

May also be applied by roller.

THEORETICAL COVERAGE

Applied at 12m<sup>2</sup> per litre will give a DFT of 35μ, corresponding WFT 84μ.

If applied by spray application losses on narrow section and bar may be considerable due to overspray.

OVERCOATING

Should be overcoated with AIRSPEED 250 or AIRSPEED 270 polyurethane enamels or subsequent coats of primers, intermediate or finishing coats based on solvents such as white spirit.

SOLVENT FOR THINNING AND CLEANING EQUIPMENT

800/001 Thinner for brush or roller application.

800/002 Thinner for spray application.

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 13a.