

# PROTEXX ALUPRIME

## Protective rust-inhibiting primer for steel

January 2024

### PURPOSE AND AREAS OF USE:

A protective rust-inhibiting primer for use on steel surfaces which cannot be blast-cleaned, or where patch-priming only is required beneath Equus polyurethane coatings. Ideal for use in recoat work involving small section steel members or frames.

### PRODUCT:

Single-pack ready-for-use coating containing moisture cure aluminium flake pigment in a penetrating urethane binder.

### PROCESS COMPATIBILITY:

Can be overcoated with Chevaline and Traxx polyurethane undercoats and topcoats. Compatibility of other coating systems should be checked before use.

### COLOUR:

Dull aluminium.

### STANDARD PACK:

1 litre, 4 litre metal cans.

### PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	42
Solids (% by weight)	55
Specific Gravity	1.4
Flash Point (°C)	46
Shelf Life	At least 12 months in original sealed container stored in cool, dry conditions.

### SURFACE PREPARATION:

Steel should be thoroughly cleaned by hand or power wire-brushing or needle gunning. Sound existing coatings may be left on the surface where appropriate, provided a test is done to ensure that the existing coating is not softened or lifted by Protexx Aluprime.

Surfaces should be degreased where necessary, either by hand-wiping with clean rags and Toluol, or by application of Equus Galvoclean and subsequent water-blasting.

Surfaces should be dry at time of primer application, but Aluprime will tolerate slight residual dampness if normal dew point conditions are not met.

### APPLICATION METHOD:

Brush	For small areas only and patch priming.
Roller	Not normally used.
Conventional spray	Thin if required with up to 10% Xylol. Use 1.4 mm nozzle with 3.5 kg/cm <sup>2</sup> atomising pressure and 0.7-1.0 kg/cm <sup>2</sup> fluid pressure.
Airless spray	Thin only if needed. Use 0.35-0.40 mm nozzle with 65° fan angle and operating pressure of 140-175 kg/cm.

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## APPLICATION PROPERTIES:

### Spreading rate:

Theoretical	11.5 sqm/litre
Practical	8-9.5 sqm/litre (depending on application method)

### Recommended film thickness:

Wet	90 microns
Dry	37 microns
Recoat time	12-24 hours

**Note:** This product cures on exposure to atmospheric moisture. Once a new container is opened, the contents should be used as soon as possible, and the container kept tightly sealed when not in use. Any crust formed on the surface should be discarded before using again. Use within one year of indicated manufacture date is recommended.

## SPECIFICATION NOTES:

**Spreading rates:** These figures are approximate and relate to material applied at the stated dry film thickness under normal working conditions. Application technique, wastage and surface condition must be allowed for when estimating quantities.

**Dry times:** These relate to normal temperature (20-23°C) and humidity (50-60% R.H.) conditions. If these vary, allowance must be made appropriately, since through-cure is achieved through exposure to atmospheric moisture, low humidity conditions may prolong this stage.

**Flash point:** The material is classified in Class 3B of the Dangerous Goods Act 1974 and appropriate transport and storage regulations apply.

## HEALTH AND SAFETY:

Wear barrier cream when handling these products and mask/goggles during application. **DO NOT SMOKE** during handling or application. Keep containers tightly sealed at all times when not in use.

## WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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## MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306