

# CHEVALINE EPISTIXX AC PRIMER

Anti-corrosive, waterborne epoxy primer

February 2024

## PURPOSE AND AREAS OF USE:

An anti-corrosive, waterborne epoxy primer for use on ferrous and non-ferrous metal surfaces, generally as part of a Chevaline Epistixx or Colourcure Coating System.

## PRODUCT:

A two-component, waterborne epoxy coating based on a modified epoxy resin and polyaminoamide curing agent combination, containing anti-corrosive pigments.

## PROCESS COMPATIBILITY:

Exhibits excellent adhesion to both ferrous and non-ferrous substrates. May be overcoated with Chevaline Epistixx products and most other coating products manufactured by Equus Industries Ltd. Consult the manufacturer for compatibility information.

## COLOUR:

Standard colour is off-white.

## STANDARD PACK:

1, 3.5, 9 litre units. Units A & B are both packed in plastic pails.

## PHYSICAL PROPERTIES:

Liquid Material	Mixed	Unit A	Unit B
Solids (% by volume)	45%	99%	21%
Specific Gravity	1.21	1.67	1.01
Flash Point (°C)	-	> 100	-
Shelf Life	-	2 years	2 years
Appearance		Pigmented	Clear Brown

## SCOPE OF USE:

Chevaline Epistixx AC Primer is used as a primer coat on ferrous and non-ferrous metal surfaces and is generally used in Equus Chevaline Epistixx Floor Coating Systems. When installed as a primer with the correct system specification it is suitable for light-heavy duty interior floor finishes, hygiene and clean rooms, and food processing areas.

## CONDITIONS OF USE:

Chevaline Epistixx AC Primer must be used in accordance with the correct specifications and substrates mentioned in this TDS, or in other Equus approved technical documentation. Chevaline Epistixx must be used as a part of an approved Equus system unless otherwise specified by Equus Industries.

Not suitable for exterior conditions or in areas of with UV exposure except where specifically approved by Equus Industries. Not suitable for substrates other than metal surfaces except where approved by Equus Industries. For substrate conditions see **Surface Preparation**.

## SURFACE PREPARATION:

### Bare, Ferrous and Non-Ferrous Surfaces

Must be free of any corrosion products, be clean, and degreased.

### Previously Painted, Ferrous and Non-Ferrous Surfaces

Where some paint remains on these surfaces, the entire surface must be sanded to remove any gloss from the remaining paint, remove any unsound paint, and remove any corrosion products from the underlying metal. The surface must then be thoroughly degreased prior to coating. It is advisable to check compatibility of the Epistixx AC Primer with the paint remaining on the surface.

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## SURFACE PREPARATION CONTINUED:

**Concrete plaster:** Must be free of all contamination, clean and dry to touch. Surface imperfections should be filled with epoxy mortar.

**Steel:** Should be clean and primed with Protexx Zincure.

**Old painted surfaces:** Should be sanded clean and with all unsound material removed. Check compatibility with a test patch.

**Stone, slate and tiles:** Must be free of all contamination. Glazed tiles should be sanded to 'open' the surface.

## APPLICATION METHOD:

Units A and B for a batch must be thoroughly mixed by adding Unit A to Unit B and drill mixing for 4-5 minutes until completely homogeneous. The mixed material should then be diluted with clean water.

Dilution quantities are:

3.5 litre unit	1.00 litre water
9 litre unit	2.7 litres water
Greater dilution may be required in warm application conditions, or for even application on sheet metal surfaces.	

## APPLICATION PROPERTIES:

### Spreading rate:

Rate per litre as supplied	10 sqm per litre (45-55 microns d.f.t)
Pot life	2-3 hours

### Dry time(15°C, 60%RH):

Touch dry	3-6 hours
Dry to recoat	24-48 hours

Note that low temperatures and/or high humidities will considerably retard dry and cure times. Do not apply in temperatures below 5°C or relative humidity greater than 85%.

## THINNING / CLEANING UP:

Thin with clean tap water. Clean up gear by rinsing immediately with water, and wiping with Xylol.

## APPLICATION NOTES:

Although Chevaline Epistixx AC Primer is waterborne, allow for adequate ventilation during application and it's drying/curing period. This is not so much for safety reasons as to ensure adequate intercoat/drying occurs.

## BUILDING CODE COMPLIANCE:

For information on compliance with the New Zealand Building Code refer to the relevant Equus System TDS.

## HEALTH AND SAFETY:

Wear barrier cream when handling Chevaline Epistixx AC Primer to prevent epoxy sensitisation and possible dermatitis effects. Always store at temperatures above 0°C to prevent possible deterioration in the unmixed components. Do not smoke while handling these materials.

For more information refer to Equus SDS 168.

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## 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
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