

# CHEVALINE EPISTIXX SL

## Self levelling epoxy floor coating

May 2024

### PURPOSE AND AREAS OF USE:

Chevaline Epistixx SL provides a seamless, dense, impervious and chemically resistant coloured floor finish which is hygienic and easy to clean.

It is ideal for a wide range of industrial environments, typically including food processing plants, laboratories, clean rooms and light industrial plants.

### PRODUCT:

Chevaline Epistixx SL is a versatile, two component, solvent free and self levelling epoxy floor coating.

### PROCESS COMPATIBILITY:

This product is generally applied to well prepared concrete or cement plaster surfaces after priming. On previously coated surfaces, compatibility and adhesion must be checked by application of a test area. Chevaline Epistixx SL may be overcoated with a range of Equus coatings to enhance performance properties for specific situations.

### COLOUR:

Available in a range of standard colours.

### STANDARD PACK:

16 litre Unit = (Unit A, Unit B and Epistixx SL Filler-Unit C).

### PHYSICAL PROPERTIES:

Liquid Material	Unit A	Unit B	Unit C
Solids (% by weight)	100	100	100
Specific gravity	1.7	0.98	2.5
Flash point	>200°C	>200°C	-
Shelf life (months)	24	24	Indefinite
Applied Material			
Compressive strength	60 MPa		
Flexural strength	>30 MPa		
Chemical resistance	Excellent for alkalis and inorganic acids. Limited resistance to chemical and hydrocarbon solvents and alcohols.		

### SURFACE PREPARATION:

Concrete	Mechanically scarify or captive blast the surface.
Previously coated surfaces	Contact nearest Equus branch for correct preparation procedure.

**Note:** Chevaline Epistixx SL is not a filler, therefore, any defects/flaws in the substrate surface will reflect through the final finish. For this reason, all surface blemishes need to be made good with epoxy filler before the Chevaline Epistixx SL application commences.

### PRIMING:

Apply one (1) coat of Chevaline Epistixx as a primer at 8-10sqm/litre as supplied. Efficient sealing of the substrate is essential to minimise surface defects in the final finish. Therefore, carefully inspect the primed surface and if necessary, apply a second primer coat.

Cure time between coats of 16 – 24 hours.

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### APPLICATION METHOD:

#### Mixing:

Add Unit A and Unit B to the mix container. Mix for one (1) minute using a slow speed mixer before slowly adding the Epistixx SL Filler and mixing for a further one (1) minute.

To ensure thorough mixing, transfer materials (scraping sides of container) to a second mix container and mix for a further two (2) minutes at 350 – 500 rpm.

#### Placing:

Pour the mix on to the primed surface and spread with serrated steel trowels to achieve the desired topping thickness of between 2 and 4mm.

Roll immediately in two directions with a spiked roller to achieve an even thickness and remove any entrapped air.

### APPLICATION PROPERTIES:

#### POT LIFE:

Epistixx Primer	4 hours
Epistixx SL	35 minutes after mixing.

#### SPREADING RATE:

Epistixx Primer	8-10 sqm/litre as supplied.
Epistixx SL	4 sqm/16 litre unit for 4 mm thickness 8 sqm/16 litre unit for 2 mm thickness

#### CURE TIME:

Epistixx Primer	Minimum 24 hours before Epistixx SL application.
Epistixx SL	Minimum 24 hours for light foot traffic or overcoating. 48 hours for light vehicular traffic. 7 days for chemical resistance.

**Note:** All cure times are based on standard conditions of 23°C and 50% relative humidity. Cooler conditions will retard cure times.

#### CLEAN UP:

Epistixx Primer	Clean water with Xylol wipe if necessary.
Epistixx SL	Xylol

#### APPLICATION CONDITIONS:

Temperature	5-30°C
Relative humidity	<85%

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### LIMITATIONS:

- Chevaline Epistixx SL is not a floor levelling product. As a finish it will reflect any flaws in the substrate.
- Chevaline Epistixx SL must not be applied to weak or friable concrete, unmodified sand/cement plaster, asphalt, vinyl tiles/sheeting, or surfaces that may be expected to move significantly, eg; steel walkways.
- Chevaline Epistixx SL should not be applied to floors with known "rising damp" problems. Refer to nearest Equus branch.
- Chevaline Epistixx SL will not produce a "mirror finish" as some imperfections will always be present in the finish.

### HEALTH AND SAFETY:

Refer to Safety Data Sheet No 423A and 423B

The minimum precautions when handling and mixing Chevaline Epistixx SL are to wear eye protection and Barrier Cream on exposed skin areas to prevent sensitisation and possible dermatitic effects.

If working in areas of poor ventilation, suitable respiratory protection equipment must be used.

Do not smoke while handling this material.

### 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