

# CHEVALINE EPISTIXX CP

Finish coating for interior carpark floors

February 2024

## PURPOSE AND AREAS OF USE:

A semi-gloss, waterborne epoxy coating for use on concrete floor areas where down-time restrictions require early access to coated areas. Particularly suitable for underground car parks and in parking buildings.

The product is also available in a non-slip grade applied direct from the can for use in areas exposed to intermittent water or greasy contamination. The non-slip properties can be further enhanced in high stress areas by the incorporation of a broadcast aggregate layer between coats.

## PRODUCT:

A pigmented, two-component waterborne epoxy based on a modified epoxy resin and third generation polyaminoamide.

## PROCESS COMPATIBILITY:

Exhibits excellent adhesion to unprimed clean concrete surfaces and other rigid surfaces primed with Chevaline Epistixx Primer (see Chevaline Epistixx Product Data Sheet 181).

## COLOUR:

Standard Concrete Grey (nr BS 5252F 00-A-05). 'Near Match' to required colours are available on request but will attract a surcharge and may be subject to minimum quantities.

## STANDARD PACK:

11.5 litre batch units. Units A & B are both packed in recyclable plastic pails.

## PHYSICAL PROPERTIES:

Liquid Material	Mixed	Unit A	Unit B
Solids (% by volume)	67.5%	97%	44%
Specific Gravity	1.37	1.7	1.06
Flash Point (°C)	-	> 100	-
Shelf Life	-	3 years	2 years
Appearance		Pigmented	

## Applied Coating

Wear resistance	Excellent
<b>Chemical resistance:</b>	
Fresh water	Excellent
Brine and salt	Excellent
Fuels and greases	Excellent
Petrol and hydrocarbon solvents	Excellent
Caustic soda	Very good
Inorganic acids	Fair to poor
Organic acids	Not recommended

# CHEVALINE EPISTIXX CP

## Finish coating for interior carpark floors

February 2024

### SCOPE OF USE:

Chevaline Epistixx CP is used as a topcoat in the Chevaline Epistixx CP Carpark Coating System over new or existing concrete carparks in a variety of residential and commercial areas as a medium duty interior carpark finish. It is designed as a decorative coating to refresh and seal concrete surfaces stopping carbonation from breaking down the concrete. The product is easy to maintain and provides a smooth or non-slip finish in areas where non-slip is required. This product is particularly useful on carpark areas where down-time restrictions require early access to coated areas.

### CONDITIONS OF USE:

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

Not suitable as a heavy-duty floor finish. Not suitable as a waterproofing solution. Not suitable for exterior conditions or in areas of with UV exposure except where specifically approved by Equus Industries.

### SURFACE PREPARATION:

Chevaline Epistixx CP must be applied to a sound, dry, clean substrate in order to achieve maximum adhesion. Chevaline Epistixx CP is a low build flooring system so any irregularities in the surface will show through and any high spots could suffer premature wear.

**New concrete:** Light captive grit blasting or diamond grinding is the preferred method of dry removal of laitance. Where this is not feasible the surface must be acid washed, followed by a neutralising solution, thorough rinsing with water and then be allowed to dry completely. Use vacuum brush to remove dirt and other debris.

**Old Concrete:** A sound, clean, contamination-free surface is essential to achieve maximum performance. This may require preparation similar to that for new floors, of light captive grit blasting, diamond grinding, or acid washing. Diamond grinding and acid washing should only take place after any contamination such as penetrated oil and grease is first removed. Adhesion trials must be carried out to confirm the surface preparation has been adequate.

### APPLICATION METHOD:

Units A and B for each batch must be thoroughly mixed by adding Unit A to Unit B and drill mixing for 4-5 minutes until completely homogenous. The mixed material should then be diluted with up to 30-35% by volume of clean water, mixed and allowed to stand 10 minutes before using. Use only sufficient water to achieve a satisfactory application viscosity given conditions at the time. Application may be by brush, roller or airless spray.

### APPLICATION PROPERTIES:

Application in a minimum of two coats.

Spreading rate	10 sqm/litre/coat as supplied, i.e. 7 sqm/litre/coat diluted 35% with clean water
Normal dft for a two coat system	Between 135-145 microns
<b>Recommended spreading rates:</b>	
(Airless spray application) 1st coat	9 sqm/litre diluted 35%
(Airless spray application) 2nd coat	6 sqm/litre diluted 35%
Pot Life	1.5-2 hours (Note: that end of pot life is indicated by a rapid viscosity increase).

### Dry time(15°C, 60%RH):

Touch dry	1-2 hours
Dry to hard	6-8 hours
Cure time	7-10 days for full cure (Note: Low temperatures and/or high humidities will considerably retard the cure times. Do not apply at temperatures below 5°C or relative humidity greater than 85%.

# CHEVALINE EPISTIXX CP

## Finish coating for interior carpark floors

February 2024

### THINNING / CLEANING UP:

Thin with clean tap water. Clean up gear by rinsing immediately with water. Some hardened residues may need solvent removal.

### SPECIFICATION NOTES:

Although Chevaline Epistixx CP is waterborne, allow adequate ventilation, not for personal safety reasons, but to ensure that adequate inter-coat/final drying occurs.

Although designed for interior use, the product also has limited exterior application. However, as an epoxy coating, it may be subject to chalking and light colours may yellow slightly when exposed to exterior conditions particularly UV light. Check with your local Equus Representative.

### BUILDING CODE COMPLIANCE:

When used in the Chevaline Epistixx Carpark System the product complies with the following building code clauses:

**B2 Durability** - B2.3.1(c) Chevaline Epistixx CP has a durability of at least 5 years when installed with the correct specification, installation and maintenance.

**C3 Fire affecting areas beyond the fire source** - C3.4 (b) Chevaline Epistixx CP test data together with in-service history of the correctly installed system show that the product limits the probability of fire spreading throughout the building. See BRANZ Fire Test Report FH5525.

**D1 Access Routes** - D1.3.3(d) Chevaline Epistixx CP complies with D1/AS1 on level surfaces, and on sloping surfaces and stairs with the addition of aggregate to create Chevaline Epistixx CP NS.

**F2 Hazardous building materials** - F2.3.1 Chevaline Epistixx CP is a waterborne material and contains no mammalian-toxic substances. Refer to SDS at [www.equus.nz](http://www.equus.nz)

### SUPPORTING DOCUMENTATION:

Title (type)	Version	URL
BRANZ Fire Test Report FH5630 (Test Results)	03 Dec 2014	<a href="https://www.equus.nz/content/reports/branz-fire-test-epistixxCP-FH5630.pdf">https://www.equus.nz/content/reports/branz-fire-test-epistixxCP-FH5630.pdf</a>

### HEALTH AND SAFETY:

Refer to Safety Data sheets No's 164/164B. Minimum precautions are to wear barrier cream on hands and exposed forearms to prevent epoxy sensitisation and possible dermatitis effects, and to ensure that eye protection is worn at all times while mixing and handling Chevaline Epistixx CP.

Do not smoke while handling the materials. Always store product at above 0°C to prevent possible deterioration in the unmixed components.

### TRANSPORT AND STORAGE:

Unit A	No restriction
Unit B	No restriction

### WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
--	----

# CHEVALINE EPISTIXX CP

Finish coating for interior carpark floors

February 2024

## 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	<a href="http://www.equus.nz">www.equus.nz</a>
Manufacturer email	<a href="mailto:info@equus.nz">info@equus.nz</a>
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306