

# CHEVALINE EPISTIXX RAPID TOPCOAT

Glossy, fast-curing water-borne epoxy finish coat

February 2024

## PURPOSE AND AREAS OF USE:

A glossy fast-curing waterborne epoxy finish coat for use on most stable building surfaces. It may be used as an easy to clean hygienic wall finish or as a medium duty floor finish, generally in interior situations, with some exterior applicability. It is ideal for use in situations where solvent release during application is not desirable, and speed of cure is essential.

## PRODUCT:

A pigmented; two-component, waterborne epoxy coating based on a modified epoxy resin and polyamine adduct curing agent combination. Chevaline Epistixx Rapid Topcoat is used in the Chevaline Epistixx Rapid Floor Coatings System, and shall be used with the approved Epistixx primer. The system can be installed over a range of approved substrates but is generally used over new or existing concrete interior floors.

## PROCESS COMPATIBILITY:

Exhibits excellent adhesion to most building materials primed with Chevaline Epistixx Primer (see Chevaline Epistixx TDS 181).

## COLOUR:

Near match to requirement. Some mid and deep tone colours may be subject to minimum order quantities and/or colour surcharge.

## STANDARD PACK:

1, 4, 8.5 litre batch units. Units A & B are both packed in plastic pails.

## PHYSICAL PROPERTIES:

Suitable for potable water applications. Consult manufacturer for specific advice when necessary.

Liquid Material	Mixed	Unit A	Unit B
Solids (% by volume)	70.5%	96.5%	47.5%
Specific Gravity	1.45	1.96	1.06
Flash Point (°C)	-	> 100	-
Shelf Life	-	3 years	2 years
Appearance	Pigmented Cream		

Applied Coating	
Wear resistance	Excellent
Early water resistance	Very good
<b>Chemical resistance when fully cured</b>	
Fresh water	Excellent
Brine and salt	Excellent
Petrol and hydrocarbon solvents	Excellent
Caustic soda 10%	Very good
Inorganic acids	Fair
Organic acids	Not recommended

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## SCOPE OF USE:

Chevaline Epistixx Rapid Topcoat is generally used as a topcoat in the Chevaline Epistixx Rapid Floor Coating System over new or existing concrete flooring in a variety of residential (eg. garage floors) and commercial areas (eg. dairy factories) as a medium duty interior finish. It is well suited for clean rooms, food processing, and other agricultural and hygiene applications.

The product is easy to clean, easy to maintain and provides a smooth or non-slip finish in areas where non-slip is required such as industrial wet floors.

## CONDITIONS OF USE:

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

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

## SURFACE PREPARATION:

Concrete, plaster, previously painted surfaces, fibre cement board, stone, slate and tiles must be primed with Chevaline Epistixx Primer, (refer Chevaline Epistixx TDS 181). The primed surface must be free of all contaminants prior to the application of the Topcoat.

Steel should be clean and primed with Protexx Zincure. Aluminium and galvanised steel should be degreased and primed with Epistixx AC Primer (TDS 168 ).

## APPLICATION METHOD:

Units A & B for each 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 up to 30% 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 spray (airless preferred).

## APPLICATION PROPERTIES:

### Spreading rate:

Walls	9-12 sqm/litre/coat
Floors	8-9 sqm/litre/coat
All rates are per litre <u>as supplied</u> . Normal d.f.t. for a two-coat finishing system is between 120-170 microns.	
Pot life	1.5-2 hrs (note that end of potlife is indicated by a rapid viscosity increase)

### Dry time(15°C, 60%RH):

Touch dry	1-2 hours
Dry to recoat	6-8 hours
Cure time	7-10 days for full cure. <b>Note</b> low temperatures and/or high humidities will considerably retard the cure time. 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.

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## SPECIFICATION NOTES:

Although Chevaline Epistixx Rapid Topcoat is waterborne, allow adequate ventilation, not so much for safety reasons as to ensure adequate intercoat/final drying occurs.

Although mainly designed for interior use, it may be used in exterior situations. However, as an epoxy coating, it may be subject to chalking and light colours may yellow slightly when exposed to exterior conditions, particularly ultra violet light.

Where a non-skid finish is required Chevaline Epistixx Rapid NS is available. This product has a specific integration of aggregate and can be used in place of Chevaline Epistixx Rapid Topcoat to create a non-skid epoxy flooring system.

## BUILDING CODE COMPLIANCE:

When used in the Chevaline Epistixx Rapid Floor Coating System the product complies with the following building code clauses:

**B2 Durability** - B2.3.1(c) Chevaline Epistixx Rapid Topcoat 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 Rapid Topcoat 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 Rapid Topcoat complies with D1/AS1 on level surfaces, and on sloping surfaces and stairs with the addition of aggregate to create Chevaline Epistixx Rapid Topcoat NS.

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

**G3 Food preparation and prevention of contamination** - G3.3.2(a), G3.3.2(b) Chevaline Epistixx Rapid Topcoat complies with G3/AS1 in food processing and preparation areas. Refer to AsureQuality Approval.

## SUPPORTING DOCUMENTATION:

The following additional documentation supports the above statements:

Title (type)	Version	URL
AsureQuality Approval Report H3611 (Certification, Test results)	02 March 2016	<a href="https://www.equus.nz/content/reports/asurequality-dairy-coatings-H3611.pdf">https://www.equus.nz/content/reports/asurequality-dairy-coatings-H3611.pdf</a>
BRANZ Fire Test Report FH5525 (Test results)	01 May 2014	<a href="https://www.equus.nz/content/reports/branz-fire-test-colourglaze-system-epistixx-rapid-system-FH5525.pdf">https://www.equus.nz/content/reports/branz-fire-test-colourglaze-system-epistixx-rapid-system-FH5525.pdf</a>

## HEALTH AND SAFETY:

Wear barrier cream when handling Chevaline Epistixx Rapid Topcoat to prevent epoxy sensitisation and possible dermatitic effects. Always store at above 0°C to prevent possible deterioration in the unmixed components. Do not smoke while handling the materials. Ensure eye protection is worn at all times while mixing and handling this material.

For more information refer to SDS 162.

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## 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
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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