

Standard Specification for the application of Equus Chevaline Epistixx SL floor coating system

Project:
Specification: P4231
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1.0 PREAMBLE:

This specification is for the application of **Chevaline Epistixx SL** self levelling epoxy flooring to sound stable concrete, and solid cement plaster floor surfaces in both old and new construction.

The system provides a smooth, durable, hard and seamless floor surface integrally bonded to the substrate during application, and suitable for light industrial, commercial and institutional installations or as an alternative to heavy duty vinyl sheet flooring, where a completely seamless, chemical resistant surface is required. Allowance is made within the system for application of **Epistixx NS** or **Colourcure NS** non-skid floor coating as an overlay where 'grip' is required under intermittent wet or greasy conditions.

2.0 SURFACE PREPARATION:

2.1 General - Responsibility:

Unless expressly agreed otherwise at time of contract pricing, all work in this section shall be the responsibility of the Main Contractor, whether carried out by his own staff, other sub-trades or the Specialist Finishes Sub-Contractor. In the latter case, such preparatory work shall be priced separately from work defined in Sections 3.0 - 5.0 inclusive.

2.2 New Concrete:

- .1 Shall be finished to NZS3114 U3 standard and shall be laid true to falls as required.
- .2 Shall be cured at least 14 days at the time of screed application.
- .3 Shall be captive-blasted to give an open surface, if the surface has been mechanically trowelled to a tight finish.
- .4 Shall have all designed expansion/construction joints correctly formed or cut.

3.0 SURFACE PRETREATMENT

3.1 Concrete Patching - Major Defects:

All discontinuities and broken areas shall be patched using the Schomburg **ASOCRET BIS** range. Such patching shall be done at least 48 hours before application of the **Epistixx SL** system, and any rough edges/areas shall be ground smooth.

3.2 Concrete Patching - Minor Defects:

All imperfections and discontinuities shall be filled flush using **Epar 801**, which shall be allowed to cure at least overnight before overcoating.

3.3 Expansion/construction Joints:

Shall be correctly prepared, primed and sealed using **Dymonic 100**, applied in accordance with Manufacturers Specifications.

Allowance shall be made when applying **Epistixx SL** flooring, to bring all expansion joints through the screed.

3.4 Upstands and Coves:

Prior to application of the flooring the vertical faces of upstands associated with the **Epistixx SL** floor shall be flushed out as required with **Epar 801** epoxy mortar, and then sealed with one (1) coat of **Chevaline Epistixx**, followed by two (2) coats of **Epistixx Rapid Topcoat** applied at approximately 8-9 sqm/litre/coat.

Where a cove must be formed, this shall be formed using **Epistixx** and **Cove Mix**, and then topcoated as above. Such coves shall be formed to top-coating stage before **Epistixx SL** installation is begun.

- 3.5 All surfaces shall be clean and dry at the time of coating application.

4.0 COATING APPLICATION:

4.1 Pre-Primer: (optional)

Surfaces shall receive one (1) coat of **Chevaline Epistixx** mixed and applied by roller at 10-11 sqm/litre, and allowed to dry overnight. This is required on very open floors, to ensure complete sealing.

4.1 Primer: (optional)

Surfaces shall receive one (1) coat of **Chevaline Epistixx SL** mixed and diluted for application by roller at 8-9 sqm/litre and allowed to dry tack-free.

4.2 Bodycoat:

All primed surfaces shall receive One (1) application of **Chevaline Epistixx SL** correctly mixed and applied by serrated trowel at 0.8-0.9 m²/litre. A porcupine roller shall be used for finishing by cross-rolling in both directions immediately after levelling off the trowel.

Spreading rates for **Chevaline Epistixx SL** shall be as follows:

For a 2mm floor 8sqm/16 litre batch

For a 3mm floor 5.3sqm/16 litre batch

For a 4mm floor 4sqm/16 litre batch

Mixing and application of all materials shall be in strict accordance with the Manufacturer's instructions, to achieve a smooth even glossy finish.

The completed **Chevaline Epistixx SL** flooring shall cure 24-48 hours before any overcoating is done or light foot traffic is allowed.

Expansion joints shall be brought through the flooring by forming against plastic wrapped wooden formers or rigid polythene strips.

4.3 Colourcure NS or Epistixx Rapid NS Non-Skid Application: (optional)

All areas to receive a non-skid finish shall be clearly delineated by masking out and shall receive either one (1) coat of **Colourcure NS** or one (1) coat of **Chevaline Epistixx Rapid NS** applied by brush or roller at a spreading rate of 5.5-6.0 sqm/litre.

4.4 Service Lane Markings: (where required)

Service lane markings shall be applied using either **Chevaline Epistixx Rapid Topcoat** or **Chevaline Colourcure** in the appropriate colour. Spreading rate will be 6-8 sqm/litre and markings shall be neatly masked to give a 'crisp' edge.

5.0 GENERAL NOTES:

5.1 Extent of Non-Slip Application:

Non-slip applications should be confined to trafficable areas.

5.2 Colour:

Unless otherwise stipulated for a particular purpose the colour of **Chevaline Epistixx SL** and any associated topcoats shall be the same.

5.3 Sealing of Expansion Joints:

The flooring shall not be carried over any elastomeric sealant beads. All construction joints shall be correctly masked out and sealed with **Dymonic 100**, working in strict accordance with appropriate Manufacturers procedures.

6.0 MAINTENANCE:

6.1 Maintenance:

The **Chevaline Epistixx SL** system can be cleaned at any time with mild detergent washing. If re-top coating is necessary this can be carried out using **Chevaline Epistixx Rapid Topcoat** or **Colourcure** topcoat after thorough surface cleaning. The manufacturer should be consulted as to surface preparation at that time.

Normal vinyl sheet flooring maintenance base/polish systems can be used over **Chevaline Epistixx SL** and are recommended for commercial dry service areas where appearance is important and chemical spillage is unlikely to be present.

We would recommend that any mechanical damage to the coating be repaired/touched up on an annual basis, so as to minimise any detrimental effect on the sound balance of the coating system.

6.2 Warranty:

The **Equus Chevaline Epistixx SL** floor coating system described in this specification may be warranted for a period of up to two (2) years, provided that:

- (a) All work is carried out by an Equus Certified Applicator.
- (b) All work is carried out in accordance with this specification, or any amendments or additions thereto made by the Manufacturer.
- (c) The warranty does not cover cracking to the system caused by substrate movement.

The warranty period shall be determined based on the specific application and intended end use. This shall be confirmed with Equus prior to commencement of work.

The warranty is provided to the client by the Equus Certified Applicator carrying out the work and is backed by the Manufacturer as to the fitness for purpose of the materials supplied for the contract.

It should be noted that as the surface may be a wearing surface, certain provisions regarding mechanical damage and maintenance recoating may be incorporated within the warranty, depending entirely upon the declared intended use to which the surface is to be put.

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