

Standard specification for the application of MAF approved Traxx SL flooring system to concrete and plaster surfaces

Page 1 of 4

Ref: P4092

1.0 PREAMBLE:

This specification is for the application of **Traxx SL** self levelling flooring to sound existing concrete, cement plaster floor surfaces in new and old 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 **Chevaline Epistix Rapid NS** non-skid floor coating as an overlay where 'grip' is required under intermittent wet or greasy conditions.

New plaster surfaces shall be installed to provide falls to a sump area. Allowance is also made in this specification for the application of **Equus Thermexx** plaster to provide the falls required.

The flooring system specified is MAF Approved.

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 Existing Concrete:

- .1 Shall be hot caustic-cleaned to remove all oil, fats, grease and general dirt, and then rinsed clean.
- .2 Shall, where needed, be ground to remove nibs, protrusions and unevenness.
- .3 Shall, if necessary, be acid-etched or captive-blasted to open up tight dense surfaces and remove any residual laitence.
- .4 Shall have all designed or existing expansion/construction joints either already soundly sealed or correctly raked/cut ready for remedial sealing.

2.3 Coves:

Install minimum 50x75mm plaster coves to all walls where directed so as to provide run-off when cleaning, and also as a buffer for trolleys to inhibit wall damage from trolleys running to close. Coves shall be slurry-bonded to clean concrete floor using a **Chevacryl Admix**/fine sand/ cement brushing slurry, and shall cure at least 7 days prior to **Traxx SL** application.

Note: If time does not permit such a curing period **Traxx Patch** coves may be installed in lieu having regard to the 25mm/day cure rate of **Traxx Patch**.



3.0 PLASTER FALLS TO EXISTING CONCRETE:

3.1 Responsibility:

All work in this section shall be the responsibility of the **Equus** Applicator up to and including provision of floor coating system.

3.2 Materials:

.1 Slurry Coat:

Equus Thermexx M3 and **Portland cement**

.2 15 down to 5mm:

Equus Admix and **Equus Premix M4**

.3 5 to 0mm Falls and Skim coat:

Equus Thermexx NF Binder and **Equus Premix M1**

3.3 Installation:

Installation shall be carried out in two (2) stages i.e slurry coat, plaster falls or skim coat .Adequate protection of adjacent surfaces **must be** allowed, particularly for trowel application coats and subsequent sealing.

3.4 Slurry Coat:

To all prepared surfaces apply one (1) mixed and diluted coat of **Equus Thermexx Binder** and **Thermexx M3** pre-mix at **1.0 to 1.0** in volume, and dilute with fresh water to a thick paintable consistency and apply by block brush or trowel. Allow to dry before the application of the Plaster falls and skim coat.

3.5 Plaster Falls from 15mm Down to 5mm:

To slurry coated surfaces apply **Chevacryl Admix/Premix M4** mixed and diluted in accordance to application instructions to provide a maximum thickness of 15mm and minimum thickness of 5mm. Application shall be by trowel. Allow for guides to provide an even continuous surface. Allow to dry.

3.6 Plaster falls from 5 to 0mm:

To slurry coated surfaces apply **Equus Thermexx Binder** and **Premix M1** mixed and applied in accordance to application Instructions A113 to provide a thickness of 5mm to a feathered edge. Application shall be by Trowel. Allow to dry.

Care must be taken to provide an even surface.



4.0 SURFACE PRETREATMENT:(To Areas not covered in 3.0-3.6 above.)

4.1 Concrete Patching - Major Defects:

All discontinuities and broken areas shall be patched using a **Chevacryl Admix** gauged patch plaster. **Admix** slurry-bonded to well prepared concrete. Such patching shall be done at least 48 hours before application of the **Traxx SL Screed** system, and any rough edges/areas shall be ground smooth.

4.2 Concrete Patching - Minor Defects:

All imperfections and discontinuities shall be filled flush using **approved epoxy mortar** or **Traxx Patch Mix**, which shall be allowed to cure at least overnight before overcoating.

4.3 Expansion/Construction Joints:

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

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

4.4 Upstands and Coves:

Prior to application of flooring,the vertical faces of upstands associated with **Equus Traxx SL** and **Equus Epistixx Rapid NS** floors shall be flushed out as required with the **Equus Traxx Filler** or an approved epoxy mortar, and then sealed with one (1) coat of **Equus Epistixx**, followed by two (2) coats of **Equus Traxx SLT** applied at approximately 2-2.5 sqm/litre/coat.

4.5 Drain Edge Chase:

A chase approx. 4mm deep 4.5mm wide with a bevelled back edge shall be cut at all drains to allow for either installation of **Traxx Floorjoint** prior to flooring application, or for bullnosing of the **Traxx SL**.

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

5.0 APPLICATION OF TRAXX SL FLOORING

5.1 Traxx SL Application:

This application shall be in three (3) coats as follows:

Pre-primer - One (1) coat of **Chevaline Epistixx Primer** mixed and applied by roller at 10-11 sqm/litre, and allowed to dry overnight.

Reinforcement to Coves- All coves and corners,including as well as wall penetrations shall be reinforced by the application of a 200-250mm wide strip of 225gsm E-mat bedded in a brushed or rolled coat of **Equus Traxx SL** applied at 2-3 sqm/litre.The mat shall be centred over the transition and shall be completely bedded into and wetted by the **Traxx SL**.The reinforced areas shall be dry tack-free before overcoating is carried out.

Primer - One (1) coat of **Traxx SL** mixed and diluted for application by roller at 6-8 sqm/litre and allowed to dry tack-free.



Bodycoat - One (1) application of **Traxx SL** correctly mixed and applied by serrated trowel at a maximum of 0.8-0.9 m²/litre. A porcupine roller shall be used for finishing only where necessary.
Mixing and application of all materials shall be in strict accordance with the Manufacturers instructions, so as to achieve a smooth even glossy finish.
The flooring shall cure 24-48 hours before any overcoating is done.

5.2 Chevaline Epistixx Rapid NS Non-Skid Application:

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

6.0 GENERAL NOTES

6.1 Extent of Non-Slip Application:

Non-slip application should be confined to trafficable areas. Under bench areas where grip is not required, a smooth finish should be left, to facilitate cleaning and sanitizing.

6.2 Colour:

Unless otherwise stipulated for a particular purpose the colour of **Traxx SL** and **Epistixx** shall be the same.

7.0 MAINTENANCE & WARRANTY

7.1 Maintenance:

The **Traxx SL** system can be cleaned at any time with mild detergent washing. If retopcoating is necessary this can be carried out using **Epistixx Rapid** after thorough surface cleaning. The manufacturer should be consulted as to surface preparation at that time.

7.2 Warranty:

The **Traxx SL system** for this application may be warranted as to film integrity for a period of up to 24 months, from the date application is completed.

Such a warranty is issued by the Approved Equus Contractor carrying out the work, and is backed by the Manufacturer as to the suitability for use of the material supplied, provided that:

- (a) All specified work is carried out by the Approved Equus Contractor.
- (b) All work is carried out in accordance with this specification or any written amendments thereto issued by the manufacturer.
- (c) Special conditions may be applied where service conditions involve either severe mechanical abrasion/impact or chemical spillage or both.

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