

Standard specification for the application of Traxx SL Screed to interior concrete floor surfaces

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Ref: P4031

1.0 PREAMBLE

This specification is for the application of **Traxx SL Screed** as a self-levelling seamless chemical and wear-resistant floor surfacing to sound concrete surfaces in both new and old construction in industrial and heavy duty commercial/institutional applications.

Allowance is made, within the system, for application of either a sharp non-skid application for maximum grip in wet, greasy service, low profile non-skid application in light-duty service, or a smooth finish. The three finish types can be combined in any single situation to provide the best possible combination of performance characteristics.

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 acid-etched 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.

2.3 Existing Concrete:

- .1 Shall be caustic-cleaned to remove all oil, fats, grease and general dirt, and then rinsed clean.
- .2 Shall, if necessary, be acid-etched or captive-blasted to open up tight dense surfaces and remove any residual laitence.
- .3 Shall have all designed or existing expansion/construction joints either already soundly sealed or correctly formed or cut.

3.0 SURFACE PRETREATMENT

3.1 Concrete Patching:

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.

3.2 Expansion/Construction Joints:

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

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



3.3 Upstands and Coves:

Prior to application of the flooring the vertical faces of upstands associated with the **Traxx SL Screed** floor shall be flushed out as required with **Traxx Filler** or an approved epoxy mortar, and then sealed with one (1) coat of **Chevaline Epistixx**, followed by two (2) coats of **Traxx SLT** applied at approximately 2 - 2.5 sqm/litre/coat incorporating 225 gsm split strand mat at construction transitions.

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

4.0 APPLICATION OF TRAXX SL SCREED SYSTEM

4.1 Traxx SL Screed Application:

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

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

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/porcupine roller at 0.3 - 0.33 m²/litre.

Mixing and application of all materials shall be in strict accordance with the Manufacturers instructions, so as to achieve a smooth even glossy finish, with allowable slight patterning from the roller levelling.

The screed shall cure 24-48 hours before any overcoating is done.

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

4.2 Traxx NS Non-Skid Application:

(Heavy duty areas)

.1 Bodycoat

All areas to receive a non-skid finish shall be clearly delineated by masking out, and shall receive one (1) coat **Traxx NS** applied by brush or roller at a spreading rate of 5 sqm/litre.

.2 Aggregate

While bodycoat is wet broadcast NS Grit into the coating at the required scatter density. Allow the bodycoat to cure a minimum of 18 hours, but not more than 24 hours before application of the topcoat. All masking shall be removed when grit has been evenly applied.

4.3 Traxx NS Non-Skid Application

(Light duty areas)

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

4.4 Topcoat Application:

Unless otherwise specifically directed, apply to all surfaces, including upstands, under bench areas and all areas previously treated with a non-skid application, one (1) coat **Chevaline Colourcure** at a spreading rate of 7.0-8.0 sqm/litre. The topcoat shall be taken over all upstands and coves. Allow to cure at least 24 hours before placing in service.

5.0 GENERAL NOTES

5.1 Reduction of Non-Slip Profiles

To reduce the non-slip profile, or in areas of anticipated excessive wear a second topcoat may be applied at a spreading rate of 7.5 sqm/litre, 18-24 hours after application of the first topcoat.



5.2 Extent of Non-Slip Application:

Non-slip application should be confined to trafficable areas. Under benches, machinery and areas where grip is not required, a smooth finish should be left.

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 **Traxx Floorjoint**, working in strict accordance with and appropriate Manufacturers procedures. Non-skid grit shall not be broadcast over sealed joints.

5.4 Application to Exterior Surfaces:

When **Traxx SL Screed** is used in exterior situations, the topcoat shall always be **Chevaline Colourcure**.

6.0 MAINTENANCE & WARRANTY

6.1 Maintenance:

The **Traxx SL Screed** system can be cleaned at any time with mild detergent washing. After three years re-topcoating may be necessary and this can be carried out using **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 **Traxx SL Screed** (smooth finish) and are recommended for commercial dry service areas.

6.2 Warranty:

The **Traxx SL Screed** 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.

Special conditions may be applied where service conditions involve either severe mechanical abrasion/impact or chemical spillage or both.

7.0 RECOMMENDED SHORT-FORM SPECIFICATION CLAUSES FOR SCHEDULE PURPOSES

7.1 General

This schedule must be read in conjunction with the Specification section dealing with Specialist Finishes. Attention is drawn in particular to the of responsibilities for, and standard of surface preparation required for the Finishes listed in the schedule.

7.2 Traxx SL Multicoat to concrete floors.

The floor finish to nominated areas shall be a 3/4 coat **Traxx SL** Multicoat system with correct detailing to match a previously approved sample. Application shall at all times be in accordance with Equus Specification P4031(rev) and Procedure A4031 and my further written Manufacturers instructions.

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