

Standard Specification for the application of the Traxx Floor Coating System to concrete surfaces

Project:
Specification: P4020
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1.0 PREAMBLE:

The specification is for the application of a three-coat **Traxx Floor Coating System** to new and old concrete floors. Appropriate allowance is made for preparation and upgrading of existing concrete floor areas to provide a uniform surface.

This system provides an easy to clean, hygienic, medium-duty, and economical floor finish. Suitable for factory or workshop floors requiring the added benefit of chemical resistance. Available as a smooth or non-slip (**Traxx NS**) finish depending on the end use requirements of the floor.

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 correctly formed to falls where required and cured at least 21 days prior to coating application.
- .2 No curing membranes shall be used. If a curing or parting membrane is used, the main contractor shall ensure all traces of curing/parting membranes are removed prior to the Specialist Finishes Applicator commencing work.
- .3 Concrete slabs shall be finished to NZS 3114:1987 U3 finish, and concrete ex form work shall be finished to NZS 3114:1980F5X with no discontinuities allowed.
- .4 All concrete surfaces shall have ridges, nibs and protrusions ground flush with adjacent surfaces.
- .5 Depressions shall be flushed with the **Schomburg ASOCRET BIS** range and allowed to cure 48 hours before overcoating.
- .6 All formed or sawn expansion joints shall be left uncaulked with neat edges, ready for joint sealing after coating application

2.3 Existing Concrete

- .1 Shall be thoroughly cleaned by scrubbing with a hot solution of strong alkaline cleaner.
- .2 Shall then be high pressure water washed to remove all contaminants from the surface.
- .3 Shall have the above steps repeated as necessary to ensure that all oil and contaminants are removed from the surface. In case of serious oil contamination, acetylene flame cleaning, followed by mechanical treatment, is required on the affected area.
- .4 Shall have any nibs, ridges or protrusions ground flush with the surrounding surface.
- .5 Shall have any existing cracks construction joints or expansion joints saw cut to the correct profile and blown/vacuumed clean of all detritus.



3.0 SURFACE PRETREATMENT

3.1 Grinding:

Where required, all surfaces to be coated shall be coarse diamond ground to 'open' the surface and remove any laitance on the concrete surface. This removes surface imperfections and ensures strong adhesion between the **Traxx** and the concrete.

3.2 Treatment of Surface Defects:

Any defects shall be filled with a mortar selected from the **ASOCRET BIS** range. Selections based on the depth of the defect. The filler shall be finished flush and allowed to cure prior to coating application.

3.3 Expansion Joints:

All movement/expansion joints and saw-cut construction joints shall be correctly primed and filled with **Dymonic 100**. Such joints shall **not** be overcoated unless expressly agreed with Equus and shall generally be installed **after** application of the floor coating system.

4.0 COATING APPLICATION:

4.1 Primer:

All surfaces to be coated shall receive one (1) coat of **Chevaline Epistixx** Primer, mixed and diluted for easy application by brush, roller or soft broom at a spreading rate of 8-10 sqm/litre. Allow to dry overnight.

Note: Other primers are available for specific design.

4.2 Bodycoat:

All primed surfaces shall receive one (1) coat of **Traxx**, mixed and diluted (5% with **Colourcure AP Thinners**) as required for easy application by roller at a spreading rate of 6-8 sqm/litre. Allow to dry tack-free (4-18 hours depending on site conditions).

4.3 Topcoat:

Traxx shall be topcoated with one (1) coat of **Traxx 2KFG** applied by soft broom, roller or spray at a spreading rate of approx 9-10 sqm/litre. Allow to dry overnight before allowing light foot traffic on the surface. Allow seven (7) days for full curing.

Notes: For a non-slip finish, the **Traxx** bodycoat can be substituted for **Traxx NS** and/or the **Traxx 2KFG** topcoat can be substituted for **Traxx 2KFG NS**, depending on the slip resistance required.

5.0 GENERAL NOTES:

5.1 Colour:

The colour of the bodycoat and topcoat shall be the same in any area.

5.2 Spreading Rates:

The spreading rates detailed in this specification give film builds which are the minimum consistent with satisfactory performance and shall be maintained throughout.

5.3 Sealant Joints:

Sealant Joints shall be generally filled **after** application of the coating system and shall **not** be overcoated. Care shall be taken to avoid undue contamination of the joint during coating operations.



6.0 MAINTENANCE:

6.1 Maintenance:

Should mechanical damage occur during the life of the coating, so that patching is required, then a simple cleaning and recoating process may be carried out on affected areas with little down time. Oil and grease spillage may be removed at any time with normal high detergency industrial cleaners. Abrasive cleaners should not be used for routine cleaning.

6.2 Warranty:

The **Equus Traxx Flooring 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 is a wearing surface, certain provisions regarding mechanical damage and maintenance recoating will be incorporated within the warranty, depending entirely upon the declared intended use to which the surface is to be put.

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