

Standard Specification for the application of Equus Traxx Colourseal or Clearseal to concrete floors

Project:
Specification: P4091
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1.0 PREAMBLE:

This specification is for the application of **Traxx Colourseal/Clearseal** to new concrete floor surfaces as a sealer to prevent oil and grease penetration of the floor and minimise dusting of the concrete surface. With modification (see 5.2 below) this coating may also be used on existing concrete floors.

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 3114:1980 U3 finish, and concrete ex form work shall be finished to NZS 3114:1980 F5X 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 **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 Basol 88 or similar 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.
- .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 a correct profile and blown/vacuumed clean of all detritus.



3.0 SURFACE PRETREATMENT

3.1 Cleaning:

The surface to be coated shall be well broomed with a coarse broom to remove all dry surface contamination. If building detritus is tightly adherent it shall be removed by mechanical means or by high-pressure water blasting. Thoroughly vacuum the floor to remove all dusty residues.

3.2 Treatment of Surface Defects:

Any defects shall be filled with the **ASOCRET BIS** range, depending on size. The filler shall be finished flush and allowed to cure prior to coating application.

3.3 Expansion Joints:

Depending on joint design, any elastomeric joints in the floor should be filled prior to application of **Traxx Colourseal/Clearseal** and shall be allowed to cure sufficiently to withstand traffic before coating is begun. Sealant shall be **Dymonic 100**, depending on situation and surface condition.

4.0 COATING APPLICATION:

4.1 All surfaces to be coated shall receive a minimum of two (2) thin coats of **Traxx Colourseal/Clearseal** applied at a spreading rate of 10-14 sqm/litre/coat, depending on surface profile and porosity. Thin first coat up to 20% - second coat up to 10%.

Application shall be by brush, soft broom or roller, depending on area and surface profile, with 24 hours dry between coats.

On 'tight' surfaces, some dilution of the first coat (up to 20%) permissible to achieve good penetration and bond. On porous or 'open' surfaces, there may be a patchy appearance caused by uneven uptake of the sealer. In such cases a third coat of **Traxx Colourseal** will be applied to achieve an even finish.

For high-use areas, a 3-coat system should be used.

5.0 GENERAL NOTES:

5.1 Drying:

Although **Traxx Colourseal/Clearseal** quickly achieves initial dry, the coating takes 2-3 days to achieve full hardness, and thus should not be subjected to heavy use for 3-4 days after application is completed. Full stipulated intercoat times assist in through curing.

5.2 Alternative Primer – existing floors

When applying **Traxx Colourseal/Clearseal** to existing concrete which may be contaminated, use Chevaline Epistixx, mix diluted and applied at 10-12sqm/litre, as an alternative adhesion-promoting primer.

5.3 Maintenance:

Traxx Colourseal can be cleaned at any time by water washing with an addition of neutral detergent if required. Should the coating be damaged or subjected to very heavy wear, it may be recoated by simply cleaning the surface well, allowing it to dry and applying a further coat or coats of **Traxx Colourseal/Clearseal**.

6.0 RECOMMENDED SHORT FORM SPECIFICATION

The applied finish to (*nominate areas*) shall be **Traxx Colourseal/Clearseal** applied in a minimum of two (2) or three (3) coats at approximately 12-14 sqm/litre/coat. All concrete shall be correctly finished and repaired prior to application of the coating system, all in accordance with the Manufacturer's recommendations and instructions.