

Standard Specification for the application of Chevaline Coverflexx high build waterproof coating system to cement based surfaces

Project:
Specification: P1051
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1.0 PREAMBLE:

This specification is for the application of a four (4) coat **Chevaline Coverflexx** high build flexible coating system as a long life, easily maintained waterproof coating to cement based materials such as concrete (in-situ and precast) concrete masonry, plaster and Hardie-sheet. Primers are varied to suit individual surfaces, and in certain circumstances, the glaze topcoat may be deleted, with appropriate warranty adjustments.

While this specification is prepared for new or unpainted surfaces, it may be modified, after site inspection and reference to Equus, for use on existing painted surfaces.

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 Concrete:

All surfaces shall be formed and finished to NZS 3114:1980 F5X standard and water blasted for preference, or stiff wire broomed if water jet access is impractical, to expose all airholes and imperfections. Nibs and protrusions shall be removed by stoning or grinding. All blowholes and defects shall be filled by 'bagging' or stopping with a **Thermexx** mortar.

2.3 Cement Plaster:

Shall be finished to a light sponge finish and allowed to cure a minimum of 10 days before coating application is begun.

2.4 Cement/Cellulose-Fibreboard and Insulated Cladding:

Shall be broomed and/or water washed to remove all surface detritus.

2.5 Concrete Masonry:

Shall be laid straight and true in both horizontal and vertical planes, with all joints neatly grooved, unless otherwise specifically instructed. All nibs and mortar contamination shall be stoned smooth. Any broken block surfaces shall be refaced with **Thermexx Mortar**.

3.0 SURFACE PRETREATMENT:

3.1 Concrete and Cement Plaster:

Minor surface imperfections shall be filled with **Multiplast Finishing Compound**, finished flush and allowed to dry at least 4 hours or until through dry and sanded, before coating work



is begun.

3.2 Cement/Cellulose Fibreboard:

Where open joints (with back-gasket) are required, all edges and the back face within 150 mm (minimum) of the edges shall be primed with **Chevaline Coverall Primer Sealer** applied by brush at 8-10 sqm/litre before sheets are fastened in place. Fastening shall be in strict accordance with the board Manufacturer's instructions for the particular construction form.

Note: This system is not normally used over jointed Harditex Sheet, unless an intermediate texture coat forms part of the system. Refer to Equus for specific detailing.

3.3 Movement/Expansion Joints:

All expansion/movement joints and/or sealed joints in cement/cellulose fibreboard, concrete and masonry surfaces shall be correctly chased or formed and caulked with **Equus/Tremco Dymonic 100** installed in accordance with the Manufacturer's instructions.

4.0 COATING APPLICATION:

4.1 Primer:

(a) **Smooth Surfaces** - All surfaces to be coated shall be primed with one (1) coat of **Chevaline Coverall Primer Sealer** applied at a spreading rate of 9-10 sqm/litre and allowed to dry. Application shall be by brush or roller.

(b) **Concrete Masonry** - All concrete masonry that has not been otherwise bagged or flushed shall be primed with one (1) coat of **Chevaline Coverfil** applied by brush or roller/brush at 3-4 sqm/litre and allowed to dry overnight.

4.2 Joint Treatment:

All formed (non-moving) joints and areas exhibiting hairline cracks shall be striped out with a brush application of **Chevaline Flexx** applied at 2.5-3.0 sqm/litre. Such application shall extend at least 50 mm to each side of the discontinuity and shall be feathered out and allowed to dry overnight.

4.3 Body Coats:

Apply by spray or roller two (2) full coats of **Chevaline Coverflexx** at a spreading rate not exceeding 4.5 sqm/litre/coat so as to achieve the necessary film build. Allow at least overnight dry between coats, with a longer interval in adverse cool/damp weather conditions. Ensure both coats are laid off so as to achieve a heavy, even coat with only a slight surface texture.

Note: That on uneven surfaces, the spreading rates may be reduced to 3 sqm/litre/coat to achieve the correct film build over the entire surface.

4.4 Topcoats

Allow to apply by roller one (1) full coat of **Chevaline Stonewash** at a spreading rate not exceeding 7 sqm/litre, so as to achieve uniform colour and gloss. Ensure that roller banding does not occur by cross rolling.

5.0 SPECIFICATION NOTES:

5.1 Gloss:

The gloss level in any area shall be matt.



5.2 Colour:

In any area the final two coats of the system shall be the same colour.

5.3 Approval:

After completion of work in any area the Applicator shall obtain approval (sign-off) from the Project Manager or his nominated representative for the work before removal of masking and access.

5.4 Quality Assurance Program:

Where so required, the Applicator shall institute and maintain a QA program on site, using standard Equus checklists, for sign-off by both the Main Contractor/Project Manager and the Applicator. QA records shall be used to ensure warranty validity.

6.0 MAINTENANCE AND WARRANTY:

6.1 Maintenance:

The applied finish may be cleaned at any time by washing with a weak (0.1%) neutral detergent. When required, as part of normal programmed maintenance the process may be recoated using the same topcoat as the original applied finish (after touch up of any mechanical damage) in either one or two coats depending on colour requirements and surface condition.

6.2 Warranty:

The coating system described in this specification may be warranted as to waterproof integrity for a period of up to ten (10) years provided that:

- (a) All work is carried out by an Approved Equus Applicator.
- (b) All work is done in accordance with this specification, or any amendments or alterations thereto issued by the Manufacturer.
- (c) Areas subject to likely mechanical damage shall be delineated for purposes of warranty exclusion in terms of abrasion impact and similar damage.

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

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