

Standard Specification for the application of the Colourglaze waterproofing process to unpainted concrete masonry and off form concrete structures

Project:
Specification: P111
Date: April 2020
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1.0 PREAMBLE:

This specification is for the application of a minimum five (5) coat **Chevaline Colourglaze** System as a long-life easy-maintenance waterproof coating system on new wall surfaces.

2.0 SURFACE PREPARATION:

- 2.1 All concrete masonry surface shall be clean, dry and de-nibbed to present an even surface. Pointing shall be either raked, or flush. Existing walls may require moss killing and/or high-pressure water blasting to ensure existing mould growth, surface dirt and detritus is removed, exposing sound blockwork.
- 2.2 All concrete surfaces shall be clean, dry and free of nibs or protrusions. Any major defects shall be patched with a sand/cement plaster mix gauged with **Chevacryl Admix** to ensure good adhesion and even cure. Existing walls may require moss killing and/or high-pressure water blasting to ensure existing mould growth, surface dirt and laitance/scale are removed exposing a sound surface.

3.0 SURFACE PRETREATMENT:

- 3.1 **Cracks:**
All surface cracks shall be either filled with **Chevaline Superflexx** after 'veeing' out to 3 mm width or striped out with a 30-50 mm band of **Chevaline Flexx**. Construction pour joints in concrete surfaces shall be striped out with **Flexx**.
- 3.2 **Expansion Joints:**
All movement and expansion joints shall be correctly chased, primed and caulked with an approved two component polysulphide sealant, working strictly in accordance with the sealant manufacturer's instructions. The sealant bead shall cure at least four (4) days before overcoating and shall be striped out with **Traxx Primer 1150** before the coating application is begun.

4.0 COATING APPLICATION:

- 4.1 **Primer:**
All surfaces shall receive one (1) coat of primer brush or brush/roller applied and chosen from
 - (a) Tight concrete masonry, off-form concrete - **Chevaline Coverall Primer** at 4-4.5 sqm/litre.

- (b) Porous or rough concrete masonry - **Chevaline Blockfil** at 2.5-3.5 sqm/litre.

The primer coat shall dry overnight before over coating is carried out.

4.2 Basecoat:

All surfaces shall receive one (1) full coat of **Chevaline Coverflexx** applied by spray or roller at a maximum spreading rate of 4 sqm/litre and shall be allowed to dry overnight.

4.3 Bodycoat:

All surfaces shall receive one (1) full coat of **Chevaline Coverall** applied by spray or roller at a maximum spreading rate of 3 sqm/litre and shall be allowed to dry overnight.

4.4 Topcoats:

All surfaces shall receive two (2) coats of **Chevaline Colourglaze** applied by spray or roller at a maximum spreading rate of 12-14 sqm/litre as supplied/coat with a minimum intercoat time of four (4) hours.

5.0 SPECIFICATION NOTES:

- 5.1 The finish shall be specified as Gloss, Satin or Matt by the Client or his representative prior to commencement of work.
- 5.2 This system may be over coated with **Chevaline Colourcure** or **Chevaline Clearcure** where graffiti resistance and cleaning ease are important considerations. For this purpose, two coats of **Chevaline Colourcure** may replace the topcoats specified in 4.4.
- 5.3 The quoted spreading rates must be adhered to achieve the correct film build for long-term performance. With roller application this may require additional coats in certain circumstances.

6.0 MAINTENANCE AND WARRANTY:

6.1 Maintenance:

This coating system may be cleaned at any time by low-medium pressure water washing with a weak (0.1%) solution of neutral detergent. When recoating is required, either to maintain long-term film integrity or for colour change, this may be carried out using one or two coats of **Chevaline Colourglaze**. Where major colour change is involved, the Manufacturer should be consulted for a specific recommendation.

6.2 Warranty:

A warranty may be issued as to the waterproof integrity of the **Chevaline Colourglaze System** for a period up to but not exceeding fifteen (15) years, provided that:

- (a) All work is carried out by the Approved Equus Applicator.
- (b) All work is done in accordance with this specification and any amendments or alterations thereto, issued by the Manufacturer.

Such a warranty is issued by the Approved Equus Applicator carrying out the work and is backed by the Manufacturer as to the fitness for use of the materials supplied for the work.

7.0 SUGGESTED SHORT-FORM SPECIFICATIONS:

The applied waterproof membrane coating shall be a minimum five (5) coat **Chevaline Colourglaze** System with primers specific to the areas to be coated. All work shall be carried out by an Approved Equus Applicator working strictly in accordance with the Manufacturer's recommendations and instructions for this system.

The system shall be in a (specify Gloss, Satin or Matt) finish.

7.1 Optional Clause:

Chevaline Colourcure/Clearcure (specify which) shall be used for added protection on (nominated areas).

8.0 GENERIC SPECIFICATION:

The applied waterproof coating shall be a minimum five (5) coat high build membrane. All coats shall be of compatible waterborne acrylic compositions produced in the same plant by the one manufacturer. Materials shall be applied by a Manufacturer/Approved Applicator working in accordance with the Manufacturer's instructions and recommendations. The coating system shall be in a (specify Gloss, Satin or Matt) finish.

Where required, for added protection, compatible single component aliphatic (specify Clear or Pigmented) polyurethane topcoats from the same Manufacturer shall be used.

Such a system is the **Chevaline Colourglaze** Waterproof Coating System, with compatible **Clearcure/Colourcure** Topcoats where nominated.

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