

## Standard specification for the application of Chevaline Colourcure high-build system to high quality exterior precast and insitu concrete surfaces

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### 1. PREAMBLE

This specification is for a **Chevaline Colourcure** System to be applied to high quality precast or insitu concrete off steel formwork. The system is particularly for use where the performance criterion is for a high gloss easy cleaning surface, which can be recoated during extended cycle maintenance. The system is a basic four (4) coat system, to ensure that correct film build and consequent performance are achieved.

Appropriate preparatory work is detailed, to ensure maximum system properties are realised.

### 2. SURFACE PREPARATION

- 2.1 All concrete surfaces, whether precast or formed insitu shall be finished by Concreter to NZS 3114:1980 F5 Finish, and shall have cured 28 days minimum before further treatment takes place.
- 2.2 After curing, all concrete surfaces shall be medium/high pressure water jetted to remove detritus and open up random air holes and surface imperfections. This shall be done at least 24 hours before any pretreatment or priming of the surface.
- 2.3 Any nibs formed on insitu concrete shall be ground or stoned back to a level surface prior to further treatment.

### 3. SURFACE PRETREATMENT

- 3.1 All exposed holes from lifting points/formwork anchors and similar discontinuities shall be hacked to remove all detritus or loose concrete, and filled using a slurry-bonded 3:1 sand:cement packing mortar. **Chevacryl Admix** shall be used to gauge both the slurry and the mortar. All such patches shall be stoned to a level smooth surface 48 hours after application.
- 3.2 All minor imperfections exposed by cleaning shall be filled with **Chevaline Troweltexx** to give a smooth continuous surface ready for coating application. Where concrete surfaces need to be true to profile **Troweltexx** shall be used as the smoothing medium.
- 3.3 All associated movement/expansion joints shall be correctly prepared and sealed with an approved two-component polysulphide sealant applied in accordance with the Manufacturers instructions. Any such joints which are to be overcoated with the **Colourcure** system shall be allowed to cure at least five (5) days and then barrier coated with **Traxx Primer 1150** at least four (4) hours prior to coating application.



#### 4. COATING SYSTEM APPLICATION

##### 4.1 Primer:

Apply by brush or roller one (1) coat of **Chevaline Coverall 50/50** Primer at a spreading rate of 8-10 sqm/litre and allow to dry at least four (4) hours before overcoating.

##### 4.2 Haircrack Filling (if required):

Any hair cracks not already filled and shown up by the primer application shall be trowelled flush using **Chevaline Clearfil**.

##### 4.3 Basecoat:

Apply by roller or spray one (1) coat of **Chevaline Coverall** at a maximum spreading rate of four (4) sqm/litre and allow to dry overnight. The coating shall be applied so as to give a smooth even coat.

##### 4.4 Topcoats:

Apply by roller and lay off, or by airless spray two (2) full coats of **Chevaline Colourcure** at a spreading rate of 11 sqm/litre as supplied/coat. The intercoat interval shall be between 4-24 hours, depending on site conditions.

#### 5. GENERAL NOTES

##### 5.1 Minimum Film Build:

The specified spreading rates in 4.0 are designed to give a minimum system film build to 200 microns. This may be checked on site, and must be achieved for the applied system to achieve its maximum performance properties.

##### 5.2 Gloss Level:

The normal finish for this systems is a high gloss level. If, for aesthetic reasons, a lower gloss level is required, this shall be nominated by the specifier as satin or matt, and shall be approved by site sample prior to commencement of work.

##### 5.3 Surface Stress/Movement:

This system is intended for rigid stable surfaces. On surfaces which may be prone to stressing and subsequent cracking, an alternative system should be specified, or allowance made for pre-treatment of the surface so that the integrity of the applied finish is not disturbed.

#### 6. WARRANTY AND MAINTENANCE

##### 6.1 Maintenance:

The applied system may be cleaned at any time by washing with a weak (0.1%) neutral detergent solution. This is recommended particularly for sheltered horizontal surfaces where airborne pollution may lie.

If and when topcoat maintenance is required, either because of a colour change requirement or eventual erosion/gloss diminution, the surface can be readily prepared and recoated with a further coat or coats of **Chevaline Colourcure**. In a normal environment the cycle for such recoating should be at least 12-15 years.



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## 6.2 Warranty:

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

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

The warranty is provided to the Client by the Equus Contractor 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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