

Standard Specification for the application of Chevaline Colourcure 2 system to GRC panels – precoat or in situ work

Project:
Specification: P131
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1.0 PREAMBLE:

This specification is for the application of a four (4) coat **Chevaline Colourcure 2** system to GRC (Glass Reinforced Cement) panels and elements for an architectural system.

The system has built in flexibility or use in that it can be a complete precoat system, a three (3) coat precoat and insitu topcoat system, or a complete insitu system. This ensures that the coating regime best suited to a project can be chosen about economics, access and timing.

The system is all polyurethane and thus is suitable for use in hard wear or highly polluted areas.

2.0 SURFACE PREPARATION:

2.1 Curing Cycle:

The curing period between mould stripping and application of the coating system shall be agreed between the GRC moulder and coating Manufacturer and shall always be adhered to ensure uniformity. Any mould release compounds used in processing shall be approved by the coating manufacturer.

2.2 Cleaning - Shop coating:

Prior to coating, the moulded GRC shall be cleaned using a high pressure air jet to remove any surface contamination. Such cleaning shall be carried out away from the area used for coating of the units.

2.3 Cleaning - Insitu Application:

All surfaces shall be cleaned by high pressure water jetting, supplemented where needed by chipping/scaling, to remove all contamination, grout spill etc. The cleaned surface shall be dry at time of coating application.

3.0 SURFACE PRETREATMENT:

3.1 Imperfections:

Any defects in exposed surfaces shall be filled using **Traxx Filler**, finished flush and smooth, before coating is begun. Filled units shall be allowed to cure overnight and sanded smooth before priming.

4.0 COATING APPLICATION:

All external surfaces shall receive a four (4) coat **Chevaline Colourcure 2** application as follows:

4.1 Primer:



All surfaces to be coated shall be primed by brush or airless spray with one (1) coat of **Traxx Primer 1330** applied at 15-16 m²/litre. Thinning of the material so as to achieve this spreading rate is permissible. The primer shall dry tack free before overcoating, but in no circumstances shall a primed surface be left more than 18 hours before overcoating.

4.2 Bodycoat:

All primed surfaces shall receive one (1) coat of **Chevaline Colourcure HB Primer** applied by airless spray at a spreading rate of 11-12 m²/litre. Thinning of the material to achieve this spreading rate is permissible, but a smooth even film shall be achieved. The bodycoat shall be allowed to dry between 4 and 24 hours before overcoating, and any imperfections shall be sanded smooth before proceeding.

4.3 Topcoats:

All surfaces shall receive two (2) coats of **Chevaline Colourcure 2** applied by airless spray at a spreading rate of 12-13 m²/litre/coat, with a minimum intercoat time of four (4) hours. Thinning of the materials to achieve this spreading rate is permissible. If shop coating, 24 hours after application of the final coat, the coated units shall be wrapped in polythene or heavy duty craft paper for protection in transit.

4.4 Touch Up After Erection - Shop coated Elements Only:

Any blemishes apparent after cleaning of the surface with medium pressure water jets to remove construction grime, and chipping/acid cleaning to remove any grout or concrete contamination, shall be sanded and touched up with **Chevaline Colourcure 2** applied by airless spray, air brush or roller, depending on the area affected and the accessibility. The number of coats used will depend on the degree of damage, with areas mechanically damaged back to the GRC base being spot primed with **Colourcure HB Primer** first.

5.0 SPECIFICATION NOTES:

5.1 Full Shop Coating:

The coats described in 4.1 to 4.3 above shall all be applied in or adjacent to the moulding yard, under controlled application conditions. The moulded units should be jiggged for easy coating and storage during dry/cure periods.

5.2 Partial Shop Coating:

The option exists, because of the coating type, for shop coating to be competed after application of one (1) coat of **Colourcure** with the second coat being applied after erection.

5.3 Colour and Gloss:

Unless otherwise previously agreed, the colour of both topcoats shall be the same. For deep tone colours the bodycoat shall be tinted to a slightly higher tone for contrast with the topcoat application.

Unless otherwise indicated, the final shall be a high gloss.

6.0 MAINTENANCE AND WARRANTY:

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 recoating is required, this may be carried out using **Chevaline Colourcure 2** after an appropriate simple cleaning/preparation procedure. The manufacturer should be contacted for a specific recommendation.



6.2 Warranty:

The **Chevaline Colourcure 2** system described in this specification may be warranted as to film integrity for a period of up to ten (10) years from the date application is completed.

- (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.

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