

Chevaline Colourcure

High performance polyurethane coating system

Purpose & Areas Of Use:

A high performance polyurethane topcoat with a tile-like finish for use in all exterior and interior situations where maximum product performance is required. Can be used on walls, ceilings and floors, and over smooth and textured surfaces. Particularly suitable where chemical and graffiti resistance are required in conjunction with light-fastness and durability.

Product:

A specially modified high-solids aliphatic polyurethane coating with outstanding durability, light-fastness, chemical resistance and toughness. Produced as a single-pack material for ease of use on site, and can be supplied as a gloss, satin or matt finish.

Process Compatibility:

Can be used as a topcoat for the following **Chevaline** products.

Colourglaze Bodycoat	Colourcure Texturecoat
Spraytexx	Coverall
Covertexx	Traxx
	Arcutexx

Colour:

Available in Australian Standard 2700-1996 colours. Can be tinted to match other colours on demand.

Standard Pack:

4 litre and 1 litre metal triple-tight cans.

Physical Properties:

Liquid Material (Concentrate):

Solids (% by volume):	50% (depends on colour)
Specific Gravity:	1.25 (depends on colour)
Flash Point:	32°C
Shelf Life:	12 months in original sealed cans when stored in cool dry conditions.

Applied Film:

Flexibility:	Passes 3mm mandrel at 75 micron D.F.T. (ASTM-D1737-62) at 23°C on galvanised steel substrate.
Durability:	Excellent light-fastness weatherability and chalk resistance.
Abrasion Resistance:	10gm weight loss (Taber Abraser CS-1-wheels 1kg load 1000 revs).
Chemical Resistance:	Excellent resistance to pollutants, acids, alkalis, water media and most solvents. Specific values (DIN 53230 - 6 hours at 23°C)
Fungus Resistance:	Colourcure presents an inert surface which will not support the growth of mould or fungi.
Normal Film Thickness:	40-50 microns per coat.

Surface Preparation:

Uncoated Surfaces (Cement base): Ensure surface is dry and free of all loose material, efflorescence, dirt etc.

Mosskill where necessary and allow to dry. Remove nibs and protrusions and make good surface damage with appropriate fillers or sealants and allow to cure.

Uncoated Surfaces (Metal): Sandblast or clean chemically, depending on metal type or condition.

Uncoated Surfaces (Plastic): Refer to manufacturer for specific recommendations.

Previously Coated Surfaces: If coated with a compatible **Chevaline** process (see Process Compatibility) ensure surface is clean and dry, and old surfaces have, where necessary, been repaired with the same process as used previously, prior to coating. Refer to Manufacturer for overcoating of old **Traxx** surfaces. If coating type is not known, clean down and apply a **Colourcure** test patch to check compatibility and adhesion.

Priming:

Where **Colourcure** is used as a topcoat for another **Chevaline** process (see Process Compatibility), refer to datasheet specific to that process. For specific **Colourcure** processes, primer as follows:

- Colourcure** smooth process:
Timber & timber products - **Colourcure HB Primer Surface** at 8sqm/litre.
Open concrete - **Traxx Primer 1050** at 8-9 sqm/litre + **Colourcure HB Primer Surfacer** at 8 sqm/litre.
Concrete, plaster and cement board - **Traxx Primer 1070** at 10-11 sqm/litre.
Steelwork - **Protexx Zincure** at 10 sqm/litre. Non-Ferrous metals and plastics—refer to manufacturer for specific recommendation.
- Colourcure texture process:**
Prime surface as indicated above and within 4-6 hours of priming spray, using an air-assisted spray with pressure pot, or roll with texture roller, one coat of **Colourcure Texturecoat** to desired texture appearance at a spreading rate of approximately 4sqm/litre.

Application Method:

Colourcure can be applied by brush, roller, air-assisted or, for preference, airless spray. It is supplied at slightly higher solids than would normally be applicable for easy application by the above methods. It should therefore be diluted with 5-10% by volume of **Colourcure Thinners** immediately prior to application. Quantity needed will depend on method used and conditions pertaining:



- Brush: Use a high quality varnish brush.
Roller: Use lambswool with nap depending on texture of surface or a foam roller.
Air Assisted Spray: Use De Vilbiss JGA with EX needle combination or similar set up. Ensure feed air is dry.
Airless Spray: Use 0.30 mm tip at 140 kg/cm²

Handling Notes:

1. Open carefully - relieve any pressure build-up by carefully levering rim up while pressing down on lid. Then open normally.
2. Do Not Stir Vigorously - work any soft-settle carefully back into body of material.
3. This Product Is Moisture Sensitive - Use only dry equipment and keep container tight-closed when not in use. Part-full containers should be blanketed with CO₂ gas to inhibit cure, and used as soon as possible.

Application Properties:

Spreading Rate:

- 1) On smooth surfaces: 13-15 sqm/litre/coat.
- 2) On textured surfaces: 10-13 sqm/litre/coat depending on texture profile.

Dry Time:

Do not apply **Colourcure** in air temperatures less than 5°C or when surface temperature is less than 3°C. Prolonged tack free times may result and must be allowed for in recoat schedules.

Sand dry	2 hours
Touch dry	6-7 hours
Through dry	24-36 hours
Full cure	5-7 days

Higher humidity will accelerate dry times.

Recoat time:

Colourcure should be recoated in 12-36 hours for maximum performance. If intercoat times exceed 72 hours (or 24 hours for immersion service), sand lightly and wipe with **Colourcure Thinners** before recoating.

Thinning/Cleaning Up:

Use **Colourcure Thinners**. Clean equipment immediately after use. **Colourcure** cures on exposure to atmospheric moisture and is very difficult to remove when cure is underway. Keep equipment dry and containers tightly closed when not in use.

Specification Notes:

Chevaline Colourcure is always used as a topcoat, generally as two coats over a prepared primer or primer/bodycoat system. In many cases it is used specifically to upgrade the chemical or abrasion resistance performance of a more conventional **Chevaline** Architectural system in situations demanding graffiti or pollution resistance and/or easy-cleaning properties. Because of the wide variety of available product combinations, it is possible to provide a **Colourcure** system engineered to a client's exact needs with regard to appearance and service conditions.

We recommend that a client contact either the Manufacturer or their local Equus Contractor to discuss their needs and obtain a system to give appearance/performance for which they contract. Where a general specification must be included in tender documents or schedules the following format is recommended for inclusion under 'Special Finishes'.

The Special Finish shall be a minimum (specify 3,4 or 5) coat **Chevaline** process incorporating two coats of **Chevaline Colourcure Topcoat** with primer/bodycoats (delete for three coat smooth finish) specific to the construction surface, performance requirements and appearance nominated. The finish shall be gloss/satin/matt (delete those not required), and shall be applied by an Approved Equus Contractor, to all surfaces nominated in this schedule, working strictly in accordance with application requirements stipulated by the Manufacturer for the nominated surfaces and performance requirements.

Warranties:

The Client may request an Application Warranty from the Contractor for satisfactory performance of an applied system. Such a warranty will cover workmanship by the Contractor and is backed by the Manufacturer to the extent of the fitness for use of the materials supplied to the Contractor for the particular contract.

When **Colourcure** is used as an additional topcoat for a **Chevaline** process, the warranty applicable is that which would normally be given for the process to which it is applied.

Although **Colourcure** is recommended for its chemical and graffiti-resistance properties, as proven by testing and performance, no warranty of absolute graffiti resistance should be made or implied.

Maintenance:

Colourcure is a highly-durable finish and can be regarded as a minimal maintenance coating. Textured surfaces in polluted atmospheres may require occasional cleaning by low/medium pressure water spray with detergent (0.1% solution). Graffiti can be removed with **Colourcure Thinners** or approved proprietary cleaners. For recoating the surface must be cleaned and well-sanded, followed by wiping with **Colourcure Thinners** and application of a further coat of **Colourcure** as soon as the surface has touch-dried.

Health and safety:

Chevaline Colourcure is a solvent-based urethane coating. All normal precautions for handling solvent-borne materials must be observed including:

- Storage in cool dry conditions away from naked flames.
- No smoking in area while handling or applying **Colourcure**.
- Use of barrier cream on exposed skin.
- Use of solvent cartridge mask and safety goggles while handling material.

Note that this material contains no less than 0.2% free isocyanide monomer and presents a low health hazard, but in some countries special handling regulations may pertain.