

# CHEVALINE CLEARGLAZE

Gloss or satin overglaze and clear sealer

February 2024

## PURPOSE AND AREAS OF USE:

A clear overglaze for the Chevaline product range used to reduce dirt retention and facilitate cleaning in both exterior and interior situations. Also as a clear sealing system for brickwork and concrete to enhance appearance and prevent water penetration. Clearglaze should not, however, be regarded as a graffiti-resistant or waterproof coating.

## PRODUCT:

A clear waterborne modified acrylic system with properties of high adhesion, early water resistance and film flexibility combined with toughness. Available in gloss, satin and matt finishes.

## PROCESS COMPATIBILITY:

Clearglaze is compatible with and can be applied over the following Chevaline products: Troweltexx 2000, Coverall, Covertexx, Arcutexx, Covercryn.

## STANDARD PACKS:

5, 15 litre pails.

## PHYSICAL PROPERTIES:

### Liquid Material

Solids (% by volume)	34%
Specific Gravity	1.05
Flash Point	None - waterborne system.
Shelf Life	Three years in original sealed pails when stored in cool dry conditions.
Colour	Opaque white.

### Applied Film

Flexibility	Passes 3 mm mandrel.
Durability	Excellent long term service may be expected from the coating. During formulation, care was taken to ensure that a coating was produced with excellent UV resistance, wet abrasion resistance, and blister resistance when exposed to soap and water, as well as minimum dirt pick up.
Chemical Resistance	Good resistance against general atmospheric pollutants, domestic cleansers, and normal household pollutants and products. Limited resistance to solvents and oils.
Fungus Resistance	Chevaline Clearglaze contains a highly effective anti-fungal preparation which does not contain toxic metals or phenols.
Normal Film Thickness	20-35 microns per coat.
Colour	Clear water-white.

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### SURFACE PREPARATION:

Previously coated surfaces (old or new)

1) Surfaces coated with Chevaline process listed under "Process Compatibility".

Ensure surface is clean and dry. If necessary, use medium pressure water washing to ensure the surface is thoroughly clean. On old surfaces, repair any existing mechanical damage with the same process as before prior to coating.

2) All other surfaces:

If the existing coating is known to be a water-based material, and is in sound condition, treat as in (1) above. On all other surfaces, clean and apply a test area of Chevaline Clearglaze before proceeding with complete treatment. If doubt exists as to compatibility, alter the specification to include one full coat of Coverall or Covercyl depending on surface profile.

3) Brickwork or manufactured stone:

Ensure all pointing is sound. Replace missing pointing with a weak (1:4.5) cement/sand mortar plasticised with Chevacyl Admix and allow to cure seven (7) days minimum before proceeding. Remove all grime and light efflorescence by washing/scrubbing with water containing neutral detergent. Any laitance or remaining efflorescence will need to be removed mechanically or by using a weak acid (1:20, Hydrochloric (muriatic) acid : water) solution followed by copious medium-pressure water washing.

Allow to dry before proceeding. Ensure all potential water entry points in adjacent surfaces, ground openings etc., are well sealed.

### PRIMING:

Previously coated surface:

1) Coated with a compatible Chevaline process: No priming needed.

2) On other surfaces: If a test patch or surface condition indicated prime with one coat of Coverall at 5 sqm/litre.

Brickwork, Manufactured Stone:

If moisture meter testing indicates presence of moisture (red scales), or its surface has been thoroughly wetted within 96 hours prior to coating, apply one coat of Clearglaze Penetrant at approximately 10-12 sqm/litre as a primer sealer.

### APPLICATION METHOD:

Clearglaze can be applied by brush, roller, air-assisted or airless spray. It is supplied as a concentrate, and must always be diluted on site with clean tap water prior to application. Dilution will depend on method and conditions and the figures below are indicative only. It is important that the spreading rates per litre of Clearglaze concentrate for a particular surface in "Application Properties" are achieved.

Brush:	Use a varnish brush on textured surfaces. Use a varnish brush or "speedbrush" on smooth surfaces.
Roller:	Use a short-nap or foam roller on smooth surfaces. Dilution: 4.5-6 litres water/15 litres Clearglaze concentrate.
Air-assisted spray:	De Vilbiss JGA-FF tip or similar. Dilution: 6-9 litres water/15 litres Clearglaze concentrate.
Airless spray:	0.22-0.24 mm or 9-10 thou tip. Dilution: 6-7.5 litres water/15 litres Clearglaze concentrate.

### APPLICATION PROPERTIES:

**Spreading Rate:** Will vary depending on surface profile and porosity. The aim is to achieve a continuous film with consistent finished appearance. The following rates are a guide, based in concentrate as supplied by Equus.

Smooth, previously coated surfaces	11-12 sqm/litre (165-180 sqm/15 litre pail) in <u>one</u> coat
Textured previously coated surfaces: Brush/roller	12-15 sqm/litre (180-225 sqm/15 litre pail) per coat in two coats
Textured previously coated surfaces: Spray	9-11 sqm/litre (135-165 sqm/15 litre pail) in <u>one</u> coat
On brick etc.	8-15 sqm/litre (120-225 sqm/15 litre pail) in <u>at least two</u> coats. Coverage will depend on surface texture and porosity.

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**Dry Time:**

Touch dry	1-2 hours
Through dry	2-4 hours
Dry to recoat (self texture)	1-2 hours

All under normal conditions of 18-23°C and 60-70 % R.H. Cooler damper conditions prolong dry times. Do not apply Clearglaze in air temperatures less than 8°C or when the surface temperature is less than 5°C.

Clean up/Thinning: Use clean tap water. Clean gear immediately after use - dried Clearglaze can prove difficult to remove.

**SPECIFICATION NOTES:**

Chevaline Clearglaze can be used in two distinct ways.

- 1) As an overglaze for Chevaline wall finishes to inhibit dirt retention and facilitate cleaning.
- 2) As a clear sealer for brickwork, concrete or manufactured stone to prevent water entry and improve appearance.

Specification for the first application above is easily written by incorporating the following sentence within the body of the process specification. The applied process shall include a final coat of Chevaline Clearglaze gloss/satin (delete one) finish applied by the Contractor in accordance with the Manufacturer's directions specific to the end use.

For the second application, there may be considerable variation in the number of coats, type of finish and application method depending on the quality of brick or manufactured stone. We recommend that any specification for this use should be based on application of a trial sample, either on site (for existing surfaces) or on representative surfaces (for new construction). To cover this the following clause can be used in tender documents or schedules.

The surface indicated in (nominate document or plan number), shall be sealed against water penetration/ for ease for cleaning/to even every surface appearance (delete inappropriate item) with Chevaline Clearglaze using appropriate preparation and priming techniques and application methods to duplicate the appearance and performance of the approved sample. The finish shall be gloss/satin/matt (delete one) in appearance. All preparation of the surface and application of materials shall be carried out by an Approved Equus Contractor working in accordance with information and guidelines provided by the Manufacturer.

**Note:** that for evening-out colour variations a translucent tinted variant, Chevaline Colourglaze-T is available. Refer to Equus for more information which is supplied on a project basis.

**MAINTENANCE:**

Depending on end use, Chevaline Clearglaze will require recoating periodically. This may vary in the time from 3 years on well-trafficked Dexx to 10+ years as a wall coating glaze. Recoating should be timed to occur before damage is caused to the underlying coating of surface. Simply wash with weak neutral detergent solution, rinse and dry prior to recoating. If existing surface is scored, lightly sand these areas and rinse again - then recoat.

**HEALTH AND SAFETY:**

Chevaline Clearglaze is a waterborne material and contains no mammalian-toxic substances. It is non flammable and requires no special storage conditions other than protection from frost. However, we recommend the use of barrier cream on hands and safety spectacles when handling/applying this material and the use of cartridge mask when spraying in confined spaces with poor ventilation. For more information refer to Equus SDS 171.

**TRANSPORT AND STORAGE:**

There are no transport restrictions for this product. Store in a cool dry environment, protect from frost.

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## WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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## MANUFACTURERS DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306