

Chevaline Flexx

Waterproof Membrane

High build flexible exterior bodycoat

Purpose & Areas Of Use:

A high build flexible bodycoat for exterior use as a component of wall waterproofing system and roof coating membranes in non-traffic areas. It is invariably topcoated for maximum system properties and life.

Product:

A flexible elastomeric waterborne acrylic material, fibre reinforced for additional strength. Has high adhesion properties and inbuilt durability. Self-priming in some roofing applications.

Process Compatibility:

Primers used are **Chevaline Blockfil** and **Chevaline Coverall Primer Sealer**. The following **Chevaline** topcoats can be applied over **Flexx**.

Coverall	Metalite	Stonewash
Colourglaze	Earthen	Extracover

Colour:

Normally supplied in off-white. However for large orders can be supplied in specially tinted colours on request.

Standard Pack:

15 litre plastic pail.

Physical Properties:

Liquid Material :

Solids (% by volume): 47%
 Specific Gravity: 1.25
 Flash Point: None - waterborne system.
 Shelf Life: 3 years in original sealed pails stored in cool dry conditions.

Applied Film:

Flexibility: Exceptional, with inbuilt elasticity to allow bridging cracks which may move up to 0.5 mm after product application.

Durability: When overcoated with a compatible **Chevaline** product the excellent flexibility and elasticity properties will be maintained in excess of the life of the topcoat.

Chemical Resistance: Very good for normal atmospheric pollutants. System resistance will depend on topcoat properties.

Fungus Resistance: **Chevaline Flexx** contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.

Normal Film Thickness: 60-250 microns per coat.

Surface Preparation:

Plaster, concrete, concrete masonry, brickwork:

Ensure surface is dry and free of all loose material, efflorescence, dirt etc. make sure all efflorescence has ceased. **Mosskill** where necessary and allow to dry. Remove nibs and protrusions and make good all cracks, holes and surface damage with appropriate fillers or sealants and allow to cure before priming.

Building boards, wallboards:

Remove dust, dirt, grease etc and ensure all stopping is adequate and sanded flush. Apply a sealer coat over porous stopping before priming.

Stone coated metal tile and cladding:

Clean down surface to remove all loose stone and dirt. **Mosskill** and allow to react before removing detritus and allow to dry.

Membrane roofing, asbestos cement roofing:

Remove all loose material and dirt. **Mosskill** and patch where necessary.

General preparation:

Make sure all associated movement joints are correctly detailed for elastomeric sealant application either before or after coating, and that any external sources of possible water entry to the wall areas to be coated are eliminated.

Priming:

On concrete masonry, "open" off-form concrete, weathered bricks: One (1) coat of **Chevaline Blockfil** at 2-2.5 sqm/litre depending on surface texture.

On timber products, asbestos cement, cement plaster, gypsum, plaster products and "tight" concrete or brick surfaces: One (1) coat of **Chevaline Coverall Primer Sealer** brushed on at 7-9 sqm/litre of mixed material or one coat of alkyd primer/sealer on exposed gypsum plaster.

Stone coated metal tile/cladding, fabric roofing: No primer required. On aged oxidised fabric a **Coverall Primer Sealer** may be needed, well brushed in at 8-10 sqm/litre of mix.

Metal roof flashings: Prime with good quality anti-corrosive primer particular to the type of metal, in accordance with the Manufacturers instructions.

Application Method:

Brush: Continental Whitewash Brush or similar. Small areas only straight from pail.

Roller: Long-nap or texture straight from pail. Requires experience to ensure correct coverage.



Conventional Spray: Large capacity nozzle combination (De Vilbiss 114-AC or similar). Will benefit from thinning approx. 10% (1.5 litres per 15 litre pail) with water.

Airless Spray: Straight from pail. Use a coarse line filter (20-30 mesh) and remove gun filter.

Application Properties:

Spreading Rate:

- 1) High build waterproof system bodycoat: 2.75-3 sqm/litre (41-45 sqm/15 litre pail).
- 2) Roof membrane over stone-coated tiles, fabric etc: 2.0-2.5 sqm/litre (30-37.5 sqm/15 litre pail). **Note:** that on rough surfaces this may reduce to 1.5 sqm/litre.
- 3) Roof membrane over primed asbestos-cement roofing: 3 sqm/litre (45 sqm/15 litre pail).

Dry Time:

Touch dry	2-3 hours
Through dry	12-24 hours
Full thickness	7-10 days

At normal conditions.

Recoat time:

- 1) With **Chevaline Coverall, Extracover, Stone-wash, Earthen, Colourglaze** and **Metalite**: Allow 4-6 hours under normal conditions. Overnight minimum dry in cold conditions.
- 2) Self Recoat: As soon as touch dry, or when existing coating can withstand subsequent application method. Allow longer for roller than for spray application.

Thinning/Cleaning Up:

Use clean water for both. Clean equipment immediately after use. Fully dried material is difficult to remove, especially from spray equipment.

Specification Notes:

Chevaline Flexx is specifically designed as a high build elastomeric bodycoat and as such is used in external waterproofing systems for walls and roofs. Normally part of a 3 or 4 coat system and always used with an appropriate topcoat for the required surface.

The most common uses are:

1. In exterior wall waterproofing with **Chevaline Coverall** high build topcoat (over an appropriate primer).
2. In roof coating systems with either **Chevaline Metalite, Chevaline Coverall** or **Chevaline Colourglaze** topcoat and over an appropriate primer where necessary.

We recommend that Clients contact the Manufacturer or their local Equus Contractor to discuss their exact needs so that the system they require can be specifically designed for them. However, where general specification must be included in tender documents or schedules the following formats are recommended for inclusion under "Special Finishes".

1. For Exterior Wall Waterproofing:

"The special finish shall be the three coat **Chevaline Coverall** waterproofing system incorporating **Flexx** bodycoat and primer/s specific to the surface/s nominated. The finish shall be applied by an Approved Equus Contractor to all surfaces so specified in this schedule; and working strictly in accordance with application requirements stipulated by the Manufacturer for the surfaces and performance nominated."

2. For Roofing Applications:

"The special finish shall be a **Chevaline Flexx** system, incorporating primers and topcoats specific to the surface/s and performance nominated. The special finish shall be applied by an Approved Equus Contractor to all surfaces so specified in this schedule and working strictly in accordance with the application requirements stipulated by the manufacturer for the surfaces and performance nominated."

Maintenance:

Topcoats should be checked or recoating on a 7-10 year cycle for exterior use and a 10 year cycle for interior use. Clean when required using low-pressure spray and a dilute neutral detergent solution (cold or warm not hot). If topcoats are renewed whilst film is still sound, the life of the system will be easily prolonged for further similar cycle periods.

Note: Do not apply **Flexx** when air temperature is less than 8°C or the surface temperature is less than 5°C.

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 event.

Health And Safety:

Chevaline Flexx 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 a cartridge mask when spraying in confined spaces with poor ventilation. Note that although this product is fibre reinforced it does not contain asbestos.
Equus Safety Class 1.

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