

CHEVALINE FLEXX

High-build flexible exterior bodycoat

February 2024

PURPOSE AND 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 50/50. The following Chevaline topcoats can be applied over Flexx: Coverall, Colourglaze, Metalite.

COLOURS:

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

STANDARD PACKS:

15 litre pails.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	47%
Specific Gravity	1.25
Flash Point	None - water-based system.
Shelf Life	Three 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 <u>before</u> 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.

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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/water 50/50 brushed on at 7-9 sqm/litre of <u>mixed</u> 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 Chevaline Coverall/water 50/50 primer may be needed, well brushed in at 8-10 sqm/litre of <u>mix</u> .
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% (2 litres per 20 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:**

High build waterproof system bodycoat	2.75-3 sqm/litre (55-60 sqm/20 litre pail).
Roof maintenance over stone-coated tiles, fabric etc.	2.0-2.5 sqm/litre (40-50 sqm/20 litre pail). Note: that on rough surfaces this may reduce to 1.5 sqm/litre.
Roof membrane over primed asbestos-cement roofing	3 sqm/litre (60 sqm/20 litre pail).

DRY TIME (at normal conditions):

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

RECOAT TIME:

With Chevaline Coverall, Colourglaze and Metalite	Allow 4-6 hours under normal conditions. Overnight minimum dry in cold conditions.
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.

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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 three or four 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".

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 Certified Equus Applicator 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."
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 a Certified Equus Applicator 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.

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 CONTACT 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