

CHEVALINE BLOCKFIL

Versatile brush/trowel primer-filler

February 2024

PURPOSE AND AREAS OF USE:

A high-build gap-filling primer for use with the Chevaline range of bodycoats/topcoats on concrete masonry, 'open' brickwork and off-form or rough finish concrete in both exterior and interior situations.

PRODUCT:

A paste-like silica-filled waterborne acrylic material with considerable in-built flexibility and high adhesion properties, suitable for application by trowel, brush, roller or squeegee.

PROCESS COMPATIBILITY:

Can be used as a primer-filler beneath the following Chevaline bodycoat/topcoats: Flexx, Covertexx, Covertexx Plus, Coverall, Dexx, Covercyl.

COLOURS:

Natural light grey as standard. For large orders can be supplied in mid and deep tones on earth.

STANDARD PACK:

20 litre metal open-head pails with plastic head-liner.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	62%
Specific Gravity	1.40
Flash Point	None - waterborne system.
Shelf Life	Two years in original sealed pails when stored in cool dry conditions.

Applied Film	
Flexibility	Passes 3 mm mandrel.
Durability	Very good. Possesses an indefinite life and retains flexibility when correctly top coated and maintained.
Fungus Resistance	Chevaline Blockfil contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.

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 to allow to cure before priming.

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. On very porous surfaces it is advisable to dampen down just prior to Blockfil application to give a more even "suction" and easier spreading.

APPLICATION METHOD:

Chevaline Blockfil can be applied by Continental Whitewash Brush, trowel, or squeegee direct from the pail, or, with the addition of water approximately 2 litres per 20 litre pail, by long nap or texture roller. The latter method is generally only recommended when the material is applied as a textured filler over relatively smooth surfaces as it does not provide the shear required to ensure all depressions and imperfections are properly filled.

When the material is trowelled into gaps or joints it will stand up well, but when the gap has a depth greater than 3 mm slight shrink back will occur. A second application should be made to flush fill when the first coat has dried. When Blockfil is applied to tuck-pointed concrete masonry and brick surfaces and the joint pattern is to be retained, care should be taken to "wipe" the joints to ensure that excess material build-up does not occur.

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APPLICATION PROPERTIES:

Spreading Rate:

On concrete masonry	1.5-3 sqm/litre (30-60 sqm per pail) depending on texture, porosity and application method.
On brickwork	3-3.5 sqm/litre (60-70 sqm per pail).
As a roller texture	2.5-3 sqm/litre (50-60 sqm per pail).
On off-form concrete	2-3.5 sqm/litre (40-70 sqm per pail).

Dry Time:

Touch dry	1-2 hours
Through dry	8-16 hours
Full hardness	3-5 days

DO NOT apply in air temperatures less than 8°C or when surface temperature is less than 5°C. When Blockfil is used to fill deep imperfections, through drying will be prolonged, particularly under cool conditions, although the material may be overcoated with Chevaline waterborne systems when it is surface dried sufficiently to withstand the shear action of overcoating application.

Recoat time:

1. Waterborne Chevaline bodycoats/topcoats: 4-24 hours after application depending on film thickness of Blockfil application under normal dry conditions.
2. Solventborne Chevaline systems: Allow 24 hours minimum dry time. At least 48 hours in cool dry conditions.

Note: that Blockfil left uncoated has good exterior durability, and may be left for any time up to three months before topcoating providing any dust or dirt is hosed off prior to overcoating. Normal drying conditions are 18-23°C and 60-70% R.H.

THINNING/CLEANING UP:

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

SPECIFICATION NOTES:

Chevaline Blockfil is a primer-filler and thus forms part of a total applied system. As such it is not normally specified as an individual coat by the client or specifier unless he has specific requirement for a gap-filler or high-build primer to achieve a desired effect.

It will more normally be offered by the Contractor as part of one or more of the bodycoat/topcoat processes listed above, as a specific primer for concrete masonry and similar surfaces, where it provides a gap filling adhesive primer to give a smoothed surface for subsequent bodycoat/topcoat application. If the specification writer wishes to make specific mention of Chevaline Blockfil in his tender documents of schedules, the following clause is recommended for inclusion as an addition to the main clauses under "Special Finishes".

"The nominated Chevaline process shall include Chevaline Blockfil as a primer over... (specify type) surfaces specified in this schedule. This primer shall also be applied by an Approved Equus Contractor working strictly in accordance with application requirements stipulated by the Manufacturer for the surfaces and required performance nominated".

MAINTENANCE:

As this is a primer, there are no specific maintenance requirements. Refer to this section in appropriate Topcoat Know How.

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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 contract for the particular contract.

HEALTH AND SAFETY:

Chevaline Blockfil 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. We recommend the use of barrier cream on hands and safety spectacles when handling/applying this material. Although fibre-reinforced, Blockfil contains no asbestos.

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