

HITCHINS

TECHNICAL DATASPEC

SEALFLEX FORMELAST

High Build Flexible Coating

December 2014

NO.1434 v5

Description

Formelast is a high build, thixotropic elastomeric waterborne acrylic bodycoat.

Recommended Uses

- Exterior walls surface in commercial and residential buildings.
- As a flexible basecoat within the Sealflex coating process.
- Over plaster surfaces with random hairline cracks.
- Bedding in resin for bandaging of cracks.
- Bedding in resin for full lamination process.
- Part of multi-layered Hi-build Coating waterproof process with excellent performance properties.

Features

- Very flexible due to its elastomeric properties.
- Will accommodate thermal and building structure stress.
- Can be applied over a wide range of primed substrates such as concrete, plaster, masonry, etc.
- Formelast can be applied over existing coating but primer coat may be required.
- Can be over-coated with Hitchins Formwal 612, Formatt, Formcote, Sealflex topcoat, and then over-coated with Nu-Star or Formrok 335.

Limitations

- Formelast** is not to be applied in temperatures below 8°C or above 35°C.
- Avoid applying in hot windy conditions or if rain expected within 3 hours.
- Formelast** must be applied over the appropriate primer.
- Formelast** must be over-coated and not left as a finish.

Technical Data

Classification	Acrylic		
Specific Gravity	1.3kg/litre	Recoat time	4 hours (18°C, 65%rH)
Specific Content	58% by weight, 45% by volume	Application method	Brush, roller and spray
Coverage Rate	2.5m ² /litre	Application Range	Min: 8°C, Max: 35°C
Drying time	2 hours (18°C, 65%rH)	Clean-up	Water
Packaging	4L, 10L & 20L pails	V.O.C	55g/litre EC-07-09
Shelf Life	3 years in original sealed container		
Spreading rate	2.5m ² /L by spray application		
Colour	Available to near match all brands in wide range of colours		

Surface Preparation

- Existing painted surface treated with Hitchins Mosskill, left 3 days and water-blasted clean, removing pollutants and suspect flaky paint
- Concrete and cementitious substrates should be cured for a minimum of 28 days and must be free of curing membranes, bond breakers, form release agents and laitance.
- Nibs, protrusions and uneven surfaces should be grounded or sanded smooth
- All surfaces to be painted must be dry, sound and thoroughly cleaned, free of dirt, dust, oil, grease, moss, mould, loose flaking paint and efflorescence.
- Glossy painted surfaces should be sanded to a dull finish.
- Cracks, holes and surface imperfections should be filled Hitchins Formfil 660 and flushed out with Formflush 665, sand when dry.
- Large cracks saw-cut, foam rod inserted, Formrok 28P gunned in and tooled off. Left to cure and flushed over with Formflush 665.
- Expansion joints sealed with Formrok 28P and left to cure un-coated.

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Surface Preparation Continued ...

- Galvanized iron should be degreased. Rust areas should be wire brushed and sanded to expose clean iron and primed with 2 (two) coats of Hitchins Formear 10 Speed Spray anti-corrosive primer.
- Steel work well prepared, excessive rusting prepared by grinding, wire brushing, sanding, etc and primed with Jotamastic 87.
- Timber should be tantalized and primed with Hitchins Pre-Seal Primer.
- All other substrates should be prepared and sealed with suitable primer as per chart below.
- Where required random cracking bandage in Formlast and flushed out.
- Block work surface coated with Basetex to fill all voids, pin holes, etc
- Hitchins New Zealand Limited provide full written surface preparation and specifications on application.

Recommended Primers

Substrates	Primer
Concrete / Cement Plaster	Hitchins Sealflex Primer G
Dense concrete	Hitchins Formstik
Concrete block	Hitchins Sealflex Primer Filler
Brick unglazed/glazed	Hitchins Formstik
Fibre cement sheet	Hitchins Formbond / Formstik
Gypsum Plaster	Hitchins Pre-seal Solvent based Primer
Timber	Hitchins Pre-seal Solvent based Primer
Metal	Hitchins Formear Speed Spray 10 or Jotamastic 87
NOTE:	Metal surfaces primed as above will require a coat of Sealflex Primer prior to application of Formelast .

Mixing

Formelast is a thixotropic acrylic with very little settlement, however good mixing is recommended.

Application

- To well prepared substrate that has been primed, apply **Formelast** by spray at rate of 2.5m² per litre per coat, or by;
- Brush and roller application to achieve the required film build; apply at 5m² per litre per coat in a two (2) coat application. Leave to dry.
- For Hi- Build process apply second coat of **Formelast** at 3.5m² per litre.
- Formelast bodycoat must be over-coated with Formwal, Formcote, Format or Sealflex topcoats of selected colour.
- Optional Nu-star colour glaze coats can be then applied.
- Hitchins New Zealand Ltd can provide comprehensive specification and application instructions covering all optional processes, together with those product dataspecs.

Clean Up

Wash out spray equipment, brushes and rollers with clean water.

Health and Safety

Formelast is waterborne, is non flammable and relatively non-toxic. Spills can be removed with water. Once dry is no longer water soluble. Remove from skin before paint dries or with hand-cleaner and soapy water. Refer to the Safety Data Sheet N° 1434 for more information.

Non Compliance Warning

Do not apply or install any Hitchins product or process to building structures that do not comply with the Building Code.

Warranty

Formelast, as part of a process, is covered under the Hitchins Product Performance Warranty Document for "**that**" products process, as per our Warranty Schedule.