

HITCHINS

TECHNICAL DATASPEC

FORMCOTE

Waterborne Topcoat

March 2014

NO.1407 v5

Description

Formcote is a waterborne acrylic emulsion finishing coating within a gloss level ranging from satin, semi-gloss and gloss for interiors and exteriors use on most building substrate surfaces.

Recommended Uses

- **Formcote** can be used as a basecoat and/or topcoat over Hitchins waterborne and solvent based primers.
- Can be used as a topcoat on new substrates such as fibre cement sheets, plaster, concrete, cement, masonry, brick, stone, custom board, Gib-plaster board, well adhered wallpaper, etc over the recommended primer/sealer.
- **Formcote** can be applied over previously painted and well prepared surfaces.
- **Formcote** can be applied as a finishing coat over Hitchins Hi-Build coatings, such as Sealflex Formelast, Formwal 612, Varitex, Fortex and Fortex Hi-Tex.

Properties/Features

- **Formcote** is a tough, durable, yet flexible coating which protects the substrates for many years.
- **Formcote** can produce a high standard smooth surface finish.
- **Formcote** can be applied to weather boards with fine bristle brush, speed-brush or by spray gun with fine nozzle.
- **Formcote** is easy to apply by brush, speed-brush, roller or spray,
- **Formcote** is an acrylic emulsion, safe to use with low odour and toxicity.

Limitations

- Water based and must be applied in fine weather.
- Not a Hi-Build coating process.

Technical Data

Classification	Waterborne, acrylic emulsion paint		
Coverage Rate	10 -15m ² /L (approx)	Application Range	Min 5°C-Max 35°C
Packaging	4L, 10L & 20L pails	Specific Gravity	1.25 – 1.35
Shelf Life	2 years in unopened container	Clean up	Water
V.O.C.	2 gram / litre		
Drying times	Touch dry : 30 minutes; Hard dry : 5-7 hours; (25°C,50%rH)		
Recoating	Min 2, recommend 4 hours depend on substrates and temperature (25°C,50%rH)		
Colours	White and wide range of colours to near match other brands colours.		

Surface Preparation

- To existing substrates apply Hitchins Mosskill; leave 3 days and waterblast clean.
- 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.
- Concrete and cementitious substrates should be cured for a minimum of 28 days and must be free of curing films, bond breakers, form release agents and efflorescence. Remove if present.
- Nibs, protrusions and uneven surfaces should be sanded smooth.
- Cracks, holes and surface imperfections should be filled or flushed with Hitchins Formfil 660 or Formflush 665. Allow to dry/cure and sand

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Surface Preparation continued

- Large prepared cracks and expansion joints install foam rod, gun-in Hitchins Formrok 28P and tool off neatly. Allow 3 days to cure.
- Recommend sealant not be coated over. If required then prime with Speed-spray 10, allow to dry and coat over.
- Tantalized timber primed with Hitchins Pre-Seal Primer.
- New galvanized iron and steel should be degreased. Rust areas should be wire brushed or sanded to expose clean galvanized iron or steel surface and primed with recommended primer.
- Excessive rusting steel work prepared by grinding, wire brushing, sanding, etc and primed with Jotamastic 87.
- All other metal surfaces to be thoroughly prepared and primed with two (2) coats of Hitchins Speedspray 10 primer.
- Ensure surface thoroughly prepared.
- Hitchins New Zealand Limited provides 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, followed by coat of Basetex to fill all pin holes
Brick unglazed/glazed	Hitchins Formstik
Fibre cement sheet	Hitchins Formbond / Formstik or Sealflex Primer G
Gypsum Plaster	Hitchins Pre-seal Primer
Plywood / Timber	Hitchins Pre-seal Primer
Metal	Hitchins Formear Speed Spray 10 or Jotamastic 87

Application

- By brush, speed-brush, roller, conventional or airless spraying.
- Coverage should be applied at 8-10m²/L per coat.
- Normally no thinning is required but in hot and dry, windy conditions it may be thinned with 5% of clean potable water for easy of application and improved finish. Thinning slows down drying.
- Stir thoroughly before use. Minimum two full coat processes.
- Do not apply at temperatures below 5°C or exceeding 35°C.

Drying and curing

Formcote will be hard dry in 5-7 hours but drying times are affected by weather conditions and if thinners (water) content.

Health and Safety

- **Formcote** is water-based, non-flammable, low toxicity and low V.O.C.
- Spills can be removed with water, once dry is no longer water soluble.
- Remove from skin with hand-cleaner and soapy water.
- Wear protective gear and in confined areas provide adequate ventilation.
- Refer to the Safety Data Sheet N° 1407 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

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