

HITCHINS

TECHNICAL DATASPEC

FORMWAL 612

High Build Acrylic Satin Topcoat

December 2014

NO.1414 v5

Description

Formwal 612 is a high build, thixotropic, waterborne flexible acrylic topcoat with a satin finish.

Recommended Uses

- Exterior/Interior walls and surfaces in commercial, domestic and light industrial situations.
- **Formwal 612** provides a durable satin topcoat for previously painted surfaces and new substrates such as; cementitious plaster, concrete, masonry, brick, stone, fibre cement sheets, timber composite sheets and Gib-board.
- **Formwal 612** can be used by itself or over suitable primers.
- **Formwal 612** is applied over Formelast (a high build elastomeric bodycoat) on suspect substrate of fine random cracking as part of the Formwal process.
- **Formwal 612** can be applied over Hitchins textures, being Varitex, Fortex and Fortex Hi-Tex to provide additional waterproofing and dark/bright colours.

Features

- A tough, durable, yet flexible coating that provides long term protection for a wide range of substrates.
- Can be used directly over suitably primed substrates and over previously painted surfaces which are in good condition.
- Low sheen satin finish minimizes visual imperfections in the substrate.
- In areas of high wear, **Formwal 612** can be top-coated with Nu-Star, Arkan or Formrok 335 to provide a hard, easy to clean finish with good resistance to dirt pick-up.
- In areas of concern regarding graffiti defacement, **Formwal 612** can be glaze-coated with Formgard Anti Graffiti Protection system.

Limitations

- **Formwal 612** is not to be applied in temperatures below 8°C or above 35°C.
- Glossy existing paint surfaces should be sanded to a dull finish.
- Avoid painting in hot, windy conditions or if rain is expected within 4 hours.

Technical Data

Classification	Acrylic.		
Specific Gravity	1.4	Application Method	Brush, roller or spray
Solids Content	58% by weight, 43% per volume	Application Range	8°C-35°C
Coverage Rate	3.5m ² /Litre	Clean-up	Water
Dry time	1 hour (18°C@65%rH)	Packaging	4L, 10L & 20L plastic pails
Recoat time	4 hours (18°C@65%rH)	Storage/Shelf Life	3 years
V.O.C.	58 gram/litre EC-07-09		
Colour	Full range of colours are available, including near match to all brands colours.		

Surface Preparation

- To existing substrates apply Hitchins Mosskill solution; leave 3 days and water-blast clean.
- All surfaces to be painted must be dry, sound and thoroughly cleaned, free of dirt, dust, oil, grease, moss, mould and loose flaking paint.
- Nibs, protrusions and uneven surfaces should be grounded or sanded smooth.
- Cracks, holes and surface imperfections should be filled or flushed with Hitchins Formfil 660 or Formflush 665. Allow to cure and sand.
- Large cracks and expansion joints install Hitchins Formrok 28P over and release materials and tool off neatly. Allow 3 days to cure

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Surface Preparation Continued ...

- 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 efflorescence.
- Timber should be tanalised and primed with Hitchins Pre-Seal Primer.
- Galvanized iron should be degreased. Rust areas should be wire brushed or sanded to expose clean metal and primed with 2 (two) coats of Hitchins Speedspray 10 anti-corrosive primer.
- Steel work well cleaned, excessive rusting prepared by grinding, wire brushing, sanding, etc and primed with Jotamastic 87.
- All other substrates prepare and sealed as per recommended primers below.
- Lime concrete block surfaced primed and then coated with full coat Hitchins Basetex to fill all pin holes. Best applied by continental brush or wooly roller.
- Recommend Hitchins Formrok 28P sealant not be coated over.
- If required to be coated over, then prime with Hitchins Speed-spray 10.
- 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
Brick unglazed/glazed	Hitchins Formstik
Fibre cement sheet	Hitchins Formbond / Formstik
Gypsum Plaster	Hitchins Pre-seal Primer
Timber	Hitchins Pre-seal Primer
Metal	Hitchins Formear Speed Spray 10 or Jotamastic 87

Mixing / Application

- **Formwal 612** is a thixotropic acrylic with very little settlement, however good mixing is recommended.
- Application can be by brush, roller or spraying using 15-17 thou tip.
- **Formwal 612** should be applied at 5m²/L per coat.
- Usually 2 coats are required, but sometimes 3 are necessary, depending on product process, condition of substrate and on selected colour.
- Normally no thinning required, but in warm conditions it may be advantageous to add up to 5% of water.
- **Formwal 612** base-coat and topcoat are manufactured tinted to selected colour.
- Hitchins New Zealand Limited provides comprehensive applicator instructions on applying product.

Clean

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

Consumption Rates

Approx 5m² per litre per coat depending on substrate profile and coating process.

Health and Safety

As **Formwal 612** is waterborne, it is non-flammable and relatively non-toxic. Spills can be removed with water or by using sand to absorb the paint. Once dry this product is no longer water soluble. Remove from skin before paint dries. Provide good ventilation in confined areas. Refer to the Safety Data Sheet N° 1414 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

Formwal 612, as part of a process, is covered under the Hitchins Product Performance Warranty Document for "that" products process, as per our Warranty Schedule.