

# FORMSTIK

## FAST DRY

### Fast Dry Water-borne Epoxy Primer

April 2014

NO 1444 v4

#### Description

**Formstik Fast Dry** is a fast drying, rapid curing, adhesion promoting primer-sealer based on a non-pigmented two component water-borne epoxy concentrate which can be diluted with water (up to 100%) after mixing.

#### Recommended Uses

**Formstik Fast Dry** can be used on cementitious substrates before installation of Traffigard or Unishield liquid applied membranes.

**Formstik Fast Dry** can be used as an adhesion primer of a wide range of common building materials prior to top-coating with decorative or industrial coatings based on acrylic, epoxy and polyurethane.

**Formstik Fast Dry** seals and binds porous and chalky surfaces.

**Formstik Fast Dry** can be used on damp surfaces such as; concrete, masonry, brick and natural stone.

**Formstik Fast Dry** prepares butyl rubber & bitumen membranes for improved Traffigard adhesion.

**Formstik Fast Dry** anti-dust clear coating for warehouse floors

#### Features

- Fast drying – touch dry 2 hours at 20°C, rH65%.
- Rapid curing – recoat time 4-8 hours at 20°C, rH65%.
- Excellent adhesion to most building substrates.
- High solids concentrate; mix then dilute with water.
- Very low odour and toxicity.
- Water wash up – easy cleaning.
- Economical due to 100% water dilution.
- Wide range of batch sizes available from 0.250/L to 10L batches

#### Limitations

- Cold temperatures slow curing time.
- **Formstik Fast Dry** application temperature range is between 5°C – 35°C.
- Will yellow and chalk on prolonged UV exposure.
- Limited shelf life: Part A = 12 months, Part B = 6 months.

#### Technical Data

	Mixed & Diluted	Part A	Part B
Classification	Water-borne epoxy primer		
Form	Thin Liquid	Low viscosity liquid	Low viscosity liquid
Colour	Milky	Milky	Amber
Smell	Faint	Faint	No odour
Specific Gravity	1.0 – 1.1 diluted	1.0 – 1.1	1.0 – 1.1
Boiling Point	100°C	100°C	Not available
Soluble in Water	Soluble	Soluble	Soluble
Non-Volatile Content	26%	55%	43%
Clean-up	Water	Water	Water
Shelf Life	-	12 months	12 months
Flash Point	Not applicable	Not applicable	Not applicable
Application method	Brush, Roll, Spray		
Application Temp Range	5-35°C. Low temperatures slow drying and curing		
Dry time	2 hours at 20°C, rH65%		
Cure time (full)	7-10 days		
Pot life	2-3 hours (after mixing and water additions)		
Recoat time	4-8 hours at 20°C, rH65%		
Coverage rate	5-20m <sup>2</sup> /L (dependant on substrate, density & porosity)		

### Hitchins New Zealand Limited

7 Masfield Street, PO Box 40749, Upper Hutt, Wellington, New Zealand, Ph: 64 4 527 7248  
 300 Richmond Road, PO Box 46018, Herne Bay, Auckland, New Zealand, Ph: 64 9 360 3246  
 Freefax: 0800 448 622, Web: [www.hitchins.co.nz](http://www.hitchins.co.nz), Email: [office@hitchins.co.nz](mailto:office@hitchins.co.nz)



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### Surface Preparation

All surfaces must be clean and sound, free of concrete splashes or nibs, oil, grease, boxing release and curing agents, dirt, dust and other contamination.

### Mixing

1. **Formstik Fast Dry** is provided in a range of batch sizes, use the batch size which suits the project. Do not split batches which could result in incorrect proportions and product failure.
2. Do not add water or other thinners to Part A and Part B before mixing. These two (2) components are to be mixed first before adding water.
3. Always add **Part B into Part A** and mix thoroughly for one minute.
4. Always dilute **Formstik Fast Dry** immediately after mixing A & B components.
5. One volume of mixed **Formstik Fast Dry** is diluted with one volume of clean water.

### Application

- Application of **Formstik Fast Dry** primer can be brush, roller and spray.
- Brush application gives the best results on unpainted substrates.
- Product systems involving **Formstik Fast Dry** primer are covered in Hitchens Product Data Specs, Specifications and Application instructions, which are available direct from Hitchens New Zealand Limited or from our website.

### Packaging

	Part A	Part B	Combined batch plus water
250ml concentrate	200grams in 500ml pot	50grams in 250ml pot	Makes 500ml RTU
500ml concentrate	400grams in 1L pot	100grams in 250ml pot	Makes 1L RTU
1L concentrate	800grams in 2L pot	200grams in 250ml pot	Makes 2L RTU
2L concentrate	1.600kgs in 4L pot	400grams in 500ml pot	Makes 4L RTU
4L concentrate	3.200kgs in 10L pot	800grams in 1L pot	Makes 8L RTU
10L concentrate	8.000kgs in 20L pot	2.000kgs in 2L pot	Makes 20L RTU

N.B. RTU=ready to use

### Health and Safety

- **Formstik Fast Dry** is water-based, non-flammable and relatively non-toxic.
- Spills can be removed with water or absorbed by sand before drying.
- Once dry, **Formstik Fast Dry** is no longer water soluble.
- Remove from skin with soap and water before paint dries.
- In confined areas, provide adequate ventilation.
- For further information, refer to the **Formstik Fast Dry** Safety Data Sheet No 1444 for Part A and Part B.

### Non Compliance Warning

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

### Warranty

**Formstik Fast Dry**, as part of a process, is covered under the Hitchens Product Performance Warranty Document for "that" products process, as per our Warranty Schedule.