

HITCHINS

TECHNICAL DATASPEC

FORMROK 315

TWO COMPONENT POLYURETHANE

April 2014

NO.1440 v2

Description

FORMROK 315 is exterior two component polyurethane which has excellent gloss retention, colour light-fastness and durability.

Recommended Uses

- **FORMROK 315** is designed for aggressive environments where long life and low maintenance is required
- **FORMROK 315** can be applied to interior walls of factories, workshops, warehouses, food processing areas, wineries, hospitals, operations theatres, laboratories, clinics and passage ways
- **FORMROK 315** can be applied to graffiti prone exterior surfaces
- **FORMROK 315** can be applied to external wall surfaces to provide improved chemical pollutants protection
- **FORMROK 315** can be applied to Industrial and agricultural machinery
- **FORMROK 315** can be applied to marine equipment and boat building
- **FORMROK 315** can be applied to steel doors and balustrades
- **FORMROK 315** can be applied to exterior joinery

Features

- **FORMROK 315** has an excellent resistance to UV, heat and adverse weather conditions
- Excellent resistance to abrasion and chemical attack
- **FORMROK 315** process is designed to withstand industrial abuse
- **FORMROK 315** resistance to oils, hydraulic fluid, grease
- Easy to clean, long term performer with low maintenance
- Can withstand aggressive solvents for graffiti removal/frequent cleaning
- **FORMROK 315** is smooth and high gloss for easy maintenance.
- Can be applied to well cure and dry light textured surfaces.
- Excellent adhesion if applied over Hitchins recommended primers & coatings

Limitations

- **FORMROK 315** must be applied to well prepared and coated surfaces
- **FORMROK 315** must be applied to thoroughly dry surface
- **FORMROK 315** is two component product with pot life of 6 to 8 hours

Technical

Classification	2 component polyurethane		
Clean-up	Thinners No 13	Storage/Shelf Life	2 years
Application Temp Range	5 – 35°C	Packaging	3 Litre
Coverage rate	10m ² /L to give WFT 100 microns	Dry time	12-14 hours @ 25°C
Cure time	7 days at 25°C	Application method	Brush, roller or spray
Solids by weight %	53%	Pot life	6 to 8 hours
Recoat time	6 hours @ 18°C and 65%rH	Flash Point	-1°C
V.O.C.	590grams/itre		
Colour	Wide colour range, near match to all brand colours		

Surface Preparation

- To existing substrate, apply Hitchins Mosskill, leave for 3 days and water-blast clean,
- New concrete to be minimum 28 days old, free of form release, or curing agents, dirt, dust, oil, grease, bond breaker and any other contaminants.
- Nibs, protrusions and should be ground and sanded smooth.
- All loose particles, flaky paint, dirt, mould, efflorescence etc should be removed completely, surface to be clean and thoroughly dry.
- Cracks, holes and surface imperfections should be filled with Epoflush 604,

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Surface Preparation

- Glossy existing painted surfaces should be sanded to a dull finish
- Metal surfaces degreased, wire-brushed, sanded and primed.
- All surfaces primed as per table below.
- Hitchins New Zealand Limited provides full written surface preparation and specifications on application.

Recommended Primers

Substrates	Primer
Concrete / Cement Plaster	Formrok 42P
Concrete block	Formrok 42P
Fibre cement sheet	Formrok 42P
Timber	Formrok 42P
Metal (Ferrous)	Jotamastic 87
Metal (Non-ferrous)	Penguard Special
Bodycoat / Basecoat	Formrok 42P

Application / Mixing

Mix the two components of **FORMROK 315** well and apply by mohair or foam roller, brush or spraying to a coverage of 10m²/L to give a wet film thickness of 100 microns.

Process

Apply **FORMROK 315** over Hitchins recommended primers and basecoats
Best results apply two full coats of FORMROK 315

Drying and Curing

FORMROK 315 drying time is 12 to 14 hours, cure time 7 days at 25°C

Clean-up

FORMROK 315 clean-up use Hitchins Thinner N° 5

Health and Safety

- Ensure adequate ventilation by constant air flow that must be maintained at all times in the work area, when mixing or applying the **FORMROK 315**
- in addition, the operators must wear a mask fitted with the correct type of filter
- Exposed skin should be protected with barrier cream and gloves.
- Where protective overalls, glasses etc
- Use hand cleaner and wash-off with soapy water
- Observe good occupational work place practice
- Read Safety Data Sheet N° 1440 A&B before using this product.

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

FORMROK 315, as part of a process, is covered under the Hitchins Product Performance Warranty Document for **"that"** products process, as per our Warranty Schedule.