

# DATA SPECIFICATION

## ◉ Description

**FORMROK 500** is a single component; pure polyurethane liquid applied waterproofing membrane. It cures to form an elastomeric membrane that is highly flexible and offers resistant to human traffic, dirt and chemicals. **Formrok 500** is used as an exposed membrane as it is UV resistant, however it can be used in concealed application if required. It has low Volatile Organic Content (V.O.C) and has a fast drying time of approximately 4 hours @ 30 degs °C. It comes in either green or grey colour.

**FORMROK 500** is applied directly from the pail using roller or brush. The membrane is easy to apply and moisture cures to form a seamless membrane. It takes to the shape of the surface it is applied on and can easily be dressed down or up any pipes and other details

## ◉ Areas Of Usage

**FORMROK 500** can be applied on concrete, masonry substrates, metal roofs, fibrocement boards etc.

## ◉ Substrate Preparation

Make sure the substrate is clean, dry and free of dirt, oil and other contaminants. The structure and substrate have to be of sound construction and new concrete should have steel trowel finished.

## SPECIFICATION DATA

**PACKING:-**  
18 litres/pail

**COLOUR:-**  
Green or Grey

**TECHNICAL:-**  
Solid content > 95%

**Dry film thickness** – 1mm

**Adhesion to substrate** – 1.44 N/ mm<sup>2</sup>

**TECHNICAL:-**  
Shore Hardness - > 55

**Water Vapour Transmission** -  
28.81 g/ m<sup>2</sup>/24 hrs

**Crack Bridging** – > 2mm

**Tensile Strength** – 2.85 N/ mm<sup>2</sup>

**Elongation** - 554 %

**Resistance to Water Penetration** – 3 bar

## ◉ Application

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### PRIMING:

Priming is generally not required. Porous concrete should use Formrok Primer to seal the surface before application of **FORMROK 500**.

### TOPCOATS:

**FORMROK 500** is applied directly from the pail.

Apply by roller or brush one coat of **FORMROK 500** at coverage of 0.7 lit/sqm to entire area including 300mm upturn along the perimeter walls. Leave membrane to dry for minimum of 4 hours.

Apply 2nd coat at the same coverage and leave to dry.

Allow membrane to dry for minimum 24 hours before proceeding with ponding test.

### Curing & Ponding

Ponding test for areas can be carried out 24 hours after application of final coat.

Hitchins Approved Applicator



Revision A

All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.

SINGLE COMPONENT PURE POLYURETHANE EXPOSE WATERPROOFING MEMBRANE

# FORMROK 500