

DATA SPECIFICATION



● Description

Formrok 300 is a proprietary water-based, single component, modified-polyurethane liquid applied waterproofing membrane.

It is specially formulated as a ready to use, fast drying protective membrane for all concrete surfaces. It does not contain bitumen or coal-tar.

Formrok 300 cures quickly into a seamless, highly flexible, durable and water resistant membrane.

It is odorless, non-flammable and safe for use in confined spaces with limited ventilation.

SPECIFICATION DATA

COLOUR

Black

TENSILE STRENGTH (ASTM D412)

> 2.96N/mm²

PACKING

20kg/pail

ELONGATION (ASTM D412)

> 160%

SHELF LIFE

1 year in unopened pail

ADHESION TO SUBSTRATE

(ASTM D4541)

> 1.99N/mm²

SPECIFIC GRAVITY

Approximately 1.2

WATER VAPOUR TRANSMISSION

(ASTM E96)

TOUCH DRY

30 - 60 mins

> 34g/m²/day

CURE TIME

6 hours @ 28oC, RH 80%

SHORE HARDNESS (ASTM D2240)

70

◉ Areas of Usage

The high elasticity, excellent bond and low water permeability of Formrok 300 makes it ideal for a wide range of waterproofing applications such as foundations, basements, tunnels, ground floors, inspection pits, roofs, wet areas etc.

Advantages:

- Water-based, odorless, non-flammable and safe for use in confined spaces.
- Air-cure, will cure considerably faster than solvent based moisture-cure pitch modified-PU products
- One component, ready to apply direct from can
- Excellent adhesion to a wide range of substrates

◉ Surface Preparation & Application

SURFACE PREPARATION:

All surfaces to be waterproofed should be sound, clean and dry
Concrete surfaces should have a light steel-trowel followed by a fine hair-broom or equivalent finish. All high spots should be removed.

PRIMING:

Priming is normally not required on good quality concrete substrates.

CRACKS & CORNERS:

All shrinkage and non-moving structural cracks should be pretreated with 2 coats of Formrok 300 reinforced with a strip of fiberglass extending 25mm either side of the crack.

All right angles should have a cant strip or be pretreated with a heavy application of Formrok 300 reinforced with a strip of fiberglass mat.

APPLICATION RATE:

Basement wall & slab: Apply by roller or brush 2 coats of Formrok 300 at coverage of 0.8 litres/sqm.

Wet Areas: Apply by roller or brush 2 coats of Formrok 300 at coverage of 0.8 litres/sqm.

Roofs: Apply by roller or brush 3 coats of Formrok 300 at coverage of 0.8 litres/sqm.

Allow 6 hours drying time between coats. Water ponding test for roofs & wet areas can be carried out 24 hours after application of final coat.

◉ Health & Safety

As this product is waterbased it is non-flammable and of low toxicity. Spills can be removed with water or by using sand to absorb the material. Dry material can be removed from the skin by using warm water and soap. Provide adequate ventilation in confined areas when applying this product.

Hitchins Approved Applicator



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All data given and statements and recommendations made herein are based 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.