

# Bituproof 300F

Fibre reinforced water based rubberised bitumen coating



## Description

Bituproof 300F is a dark brown emulsified bitumen liquid reinforced with cellulose fibre and rubber formulated from selected raw materials to form a flexible water proofing and protective coating for concrete and masonry.

## Applications

Bituproof 300F provides a water proofing and protective coating for:

- ▲ Retaining walls.
- ▲ Shaded or tiled roofs.
- ▲ Under ground concrete basements, walls and foundations.
- ▲ Wet floor areas such as bathrooms and kitchens.

## Advantages

- ▲ Flexible.
- ▲ Resists attack by chloride and sulphate ions present in ground water.
- ▲ Single component.
- ▲ Applied by brush which make it easy to use.
- ▲ Economical.
- ▲ Solvent free, non flammable.
- ▲ Asbestos free.
- ▲ Does not rot.

## Standards

Bituproof 300F complies with:

- ▲ ASTM D1227-95, Type II, Class 2.
- ▲ ASTM C309 as a curing compound when applied in two coats at a rate of 4 m<sup>2</sup>/litre per coat.
- ▲ ASTM D3747, Type I and II.

## Method of Use

### Surface Preparation

Surface preparation is very important to get the highest performance of Bituproof 300F. Any surface to be coated must be clean, sound and free of oil or grease. Any oil or grease contamination should be removed with a chemical degreaser.

All holes should be filled with a suitable cementitious mortar before application of Bituproof 300F.

## Technical Properties @ 25°C:

Form:	Thixotropic liquid
Density:	1 ± 0.02 g/cm <sup>3</sup>
Over coating time:	3 hr @ 25°C 2 hr @ 35°C
Dry time: (for thickness < 0.4 mm)	2 - 3 hr @ 25°C 1 - 2 hr @ 35°C
Residue by evaporation: (Solid content) ASTM D2939	54 ± 2%
Firm set: ASTM D2939	Pass (< 24 hr)
Resistance to water: ASTM D2939	Pass
Resistance to heat: ASTM D2939	Pass
Flexibility: ASTM D2939	Pass
Freezing resistance: ASTM D2939	Pass
Adhesion strength on concrete: ASTM D4541	≥ 1.0 MPa @ 14 days
Application temperature:	5 to 45°C
Service temperature:	-20 to 60°C
Chemical resistance:	Resists to all water based salts, mild alkaline and acid solutions, detergents and most common aqueous minerals
VOC:	< 40 g/ltr

*Note: drying time is affected by applied thickness, temperature of substrate and wind conditions.*



# Bituproof 300F

## Primer Coat

There is generally no need for primer coat. Dusty surfaces should be primed with a coat of Bituproof 300F, diluted with an equal quantity of cool, clean water and allowed to dry.

## Application

It is recommended that two coats of Bituproof 300F be applied. The second coat should be applied at a right angle to the first coat. Allow a minimum of 3 hours between coats. Stir well before use. Bituproof 300F may be applied by brush, broom or squeegee.

## Cleaning

Tools and equipment can be cleaned with water when still wet. Dried Bituproof 300F may be removed with DCP Solvent.

## Packaging

Bituproof 300F is available in 18 and 200 litre drums.

## Coverage

Coverage rate depends on surface roughness and the method of application.

- ▲ 3 - 5 m<sup>2</sup>/litre/coat, as protective coating.
- ▲ 1 - 1.5 m<sup>2</sup>/litre/coat, as water proof coating.

## Storage

Store away from direct sunlight, and protect from freezing.

## Shelf Life

Bituproof 300F has a shelf life of 12 months from date of manufacture if stored in proper conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## Cautions

### Health and Safety

As with all bituminous products, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

### Fire

Bituproof 300F is nonflammable.

DCP Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

*Flash Point:*

DCP Solvent: 37°C.

## More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

### Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.



expertise

quality

full range

[www.dcp-int.com](http://www.dcp-int.com)

