

# Bituproof FLX

Water based elastomeric rubberized bitumen waterproof coating



## Description

Bituproof FLX is a water based bitumen waterproof coating modified with acrylic polymers, formulated from selected raw materials to form a high build elastomeric waterproof and protective coating for concrete and masonry.

## Applications

Bituproof FLX provides a waterproof coating for:

- ▲ Retaining walls.
- ▲ Foundations and basements.
- ▲ Wet areas (Under Tiles).
- ▲ Repairs of existing bitumen surfaces and membranes.
- ▲ Shaded or tiled roofs.

## Advantages

- ▲ One component – ready to use.
- ▲ Elastomeric will bridge minor cracks which may occur in concrete substrates.
- ▲ Extremely high elongation.
- ▲ Excellent adhesion to a wide range of substrates.
- ▲ Resists attack by chloride and sulphate ions present in ground water.
- ▲ Solvent free, non-flammable.
- ▲ Asbestos free.
- ▲ Rot resistant.

## Standards

- ▲ Bituproof FLX matches the physical properties of ASTM D1227-13, Type II, Class 1.
- ▲ Bituproof FLX complies with ASTM C309 as a curing compound when applied with two coats at a rate of 4 m<sup>2</sup>/litre per coat.

## Method of Use

### Surface Preparation

Surface preparation is very important to get the highest performance of Bituproof FLX. 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 FLX.

### Technical Properties @ 25°C:

|   |                     |
|---|---------------------|
| Form:                                   | Liquid              |
| Specific gravity:                       | 1.07 ± 0.03         |
| Solid content:                          | 55 ± 2%             |
| Over coating time:                      | 4 - 6 hr            |
| Elongation:<br>ASTM D412                | ≥ 850% @ 7 days     |
| Tensile strength:<br>ASTM D412          | ≥ 0.20 MPa @ 7 days |
| Water permeability:<br>DIN1048 (5 bars) | 0%                  |

## Priming

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

## Application

It is recommended that two coats of Bituproof FLX be applied. The second coat should be applied at a right angle to the first coat. Allow 4 - 6 hours between coats. Stir well before use. Bituproof FLX may be applied by brush, broom or squeegee.

## Cleaning

Tools and equipment can be cleaned with water when still wet.

Dried Bituproof FLX may be removed with DCP Solvent.

## Packaging

Bituproof FLX is available in 18 and 200 litre drums.

## Coverage

- ▲ 3 - 5 m<sup>2</sup>/litre per coat, as protective coating.
- ▲ 1 - 1.5 m<sup>2</sup>/litre per coat, as waterproof coating giving a dry film thickness of 500 microns per coat. Two coats recommended.

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## Storage

Bituproof FLX has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 40°C.

Store away from direct sunlight, and protect from freezing.

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 FLX is nonflammable.

## 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:

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