



## Bitflex

Waterborne rubber co-polymer modified bitumen emulsion membrane.

### DESCRIPTION

Bitflex is a waterborne bitumen emulsion modified with a synthetic rubber co-polymer to provide excellent waterproofing properties and good flexibility.

### ADVANTAGES

Bitflex delivers the following advantages;

- Quick drying.
- Flexible.
- Non-Flammable.
- Remains watertight under permanently wet conditions.
- Strong adhesion.

### AREAS OF USE

Bitflex is suitable for use in the following areas;

- Non-UV Exposed Areas
- Timber Posts
- Retaining walls
- Terracotta Pots
- Planter Boxes

### SUBSTRATES

Bitflex is suitable for application on;

- Concrete
- Brick
- Plywood
- Fibre Cement Sheet
- Cement Render
- Light Weight Aggregate Block

### TESTING APPROVALS AND STANDARDS

Bitflex is compliant with the following standards;

- Green Star - Design & As Built v1.1: Indoor Pollutants 13.1 Paints, Adhesives, Sealants and Carpets.
- APAS 181 – V.O.C limits.
- AS4020 Products for use with Drinking Water.

### TECHNICAL DATA (@ 25°C)

Number of Coats:	2
Coverage: (per coat)	1.5m <sup>2</sup> /L
Wet Film: (per coat)	660 microns
Recoat:	2 – 4 hours
Backfill:	72 hours
Full Cure:	7 days
Colour:	Black
Thinner/Clean Up:	Water
Shelf Life:	12 months
Elongation:	540%

### ANCILLARY PRODUCTS

- Crommelin<sup>®</sup> Silicone WP Plus – 300ml
- Crommelin<sup>®</sup> Polyfab – reinforcing fabric
- Crommelin<sup>®</sup> Polyfab BB – bond breaker
- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin<sup>®</sup> Contractor Membrane Roller Cover – 230mm
- Crommelin<sup>®</sup> Moisture Meter

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## SUBSTRATE PREPARATION AND PRIMING

Full substrate preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- The surface should have a light even texture. Masonry should be flush pointed and all defects in existing surfaces made good.
- Surfaces must be clean, dry, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants.
- Corroded metal areas should be wire brushed and treated with an anti-corrosive primer.
- All high points and protrusions should be removed, blow-holes and areas of honeycombing should be filled and the surface should be brought back to an even profile using a suitable repair mortar.

**Note: Due to the wide variety of substrates available, adhesion testing is recommended in a trial area before full application.**

- Substrates that are porous and/or slightly dusty should be primed with a 1:5 dilution of Bitflex and water.
- If substrate is not dry, prime surface with Crommelin® WB2K®.

## APPLICATION CONDITIONS

- Substrate must be dry, with less than 15% moisture content. The use of suitable moisture meter is recommended.
- Application temperature between 7°C - 35°C.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

**Note: In humid conditions, air flow should be maximised with the use of fans to assist cure.**

## APPLICATION

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Apply Crommelin® Polyfab BB or Silicone Bond Breaking Sealant to internal angles/corners (wall & floor junction) and vertical angles/corners (wall & wall junction) as per standard.
- **Note: Do not use Bitflex in conjunction with polyurethane or hybrid sealants.**
- Apply Bitflex with Crommelin® Contractor Membrane Brush, Crommelin® Contractor Roller or similar.
- Apply first coat of Bitflex as per recommended coverage rate. Work from corners to central areas and allow to dry.
- If only a bond breaking sealant has been used, it is required to install Crommelin® PolyFab Reinforcing Fabric to all joints and corners in conjunction with first coat of Bitflex.
- Apply second coat of Bitflex as per recommended coverage rate, at 90° to the first coat.
- Allow at least 72 hours before installing protection board and back filling.

## CLEAN UP

- Uncured material may be removed with warm water and detergent.
- Cured material may be removed mechanically.
- Cured material may be softened by soaking in Crommelin® HD Cleaner before attempting removal.

## MAINTENANCE SCHEDULE AND REPAIR

- Bitflex must be protected from damage by after trades and inspected prior to the application of any over coat.
- Moisture blisters and bubbles may be repaired by cutting out the affected area, allowing substrate to properly dry and reapplication of membrane as per recommended coverage rates.
- Protect the membrane from mechanical damage after application.

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## PRECAUTIONS

- Do not apply if the temperature is below 7°C or relative humidity is above 85% or if rain is imminent.
- Do not apply Bitflex to wet substrates. The moisture content of the surface should be less than 15%. Check with a moisture meter if unsure.
- Ensure adequate ventilation and air flow to optimise membrane curing.
- Bitflex is not designed for use in UV exposed areas.
- Bitflex is not suitable for use in under-tile waterproofing applications.
- Do not use in applications under hydrostatic pressure.
- Do not use Bitflex in conjunction with polyurethane or hybrid sealants.

## WARRANTIES

A standard warranty period of 10 years is offered for Crommelin® Bitflex.

Extended warranties are available for project specific applications. Please contact your Crommelin® representative, or the Crommelin® technical support team for detailed specifications applicable to your project and warranty requirements.

## TRANSPORT AND STORAGE

- Size: 15L
- Weight: 16kg
- DG Class: N/A
- Flash Point: N/A
- UN Number: N/A
- Cool and Dry Storage

## SAFETY AND FIRST AID

Bitflex Safety Data Sheet is available from Crommelin® upon request.

### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

### First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin® also reserves the right to update information without prior notice, to reflect ongoing research and product development.