

# Fastflex

## Flexible Polymeric Membrane

### Description

Fastflex is a fast curing, two-pack, polymer modified, tough cementitious waterproofing membrane. It is reinforced with specially graded synthetic fibre.

When blended, Fastflex forms a flexible matrix of rubber polymer and hydrate structures, providing a tough breathable membrane that is impermeable to liquid water.

Fastflex is easily applied as slurry onto horizontal and vertical surfaces.

### Uses

Fastflex waterproof membrane is ideally suited for general purpose use on all commercial and residential applications including:

- Wet Areas – shower floors and walls, bathrooms, toilets, laundries, kitchens, equipment room floors.
- External Areas - balconies, sill and window flashings, podium decks, basement walls, water features, water storage or detention tanks and landscaped areas.
- Anti-Efflorescence Sealer – used over tile bed on decks and in wet areas to prevent calcium leachate staining.

Bonds securely to concrete, masonry, cement render, FC and CFC sheet, brick, block, ALC, etc.

### Features

- Complies with **Green Star** requirements - has zero VOC level
- No toxic or hazardous ingredients
- Water clean-up and low odour
- Environmentally friendly
- Simple application and fast cure
- Resists continuous water immersion
- Self-priming and non-staining
- Total adhesion - no water tracking
- Hardwearing - long life
- Guaranteed with Chemind Chem-Fix tile adhesives
- Compatible with cement based tile adhesives
- Crack bridging ability
- Multi-purpose high build
- Designed to comply with AS3740 and AS4654 when installed as required for Class II membranes

Design a Total Waterproofing Envelope package with Chemind and Grace waterproofing systems.

### Typical Properties

Colour	Part A – Dark Grey Powder Part B – White Liquid
Mix Ratio (by weight or volume)	Part A : Part B 1 : 1
Solids	90%
Application Temperature	5°C to 30°C
Pot Life	50 minutes @ 25 °C
Through Cure	2 hours (1 mm @ 25 °C)
Crack Bridging	Up to 2 mm
Elongation	500%
Adhesion to Concrete (porous)	0.5 N/mm <sup>2</sup>

### Preparation

Surfaces to be sound, smooth and free from dust, loose matter, oil, grease or other contaminants.

All surface defects shall be repaired using Chemind Chembond modified mortar.

Use Chemind Chemflex PU sealant to fill joints, cracks and form fillets to all internal corners or penetrations and allow to fully cure a minimum 24 hrs before applying Fastflex.

### Mixing

- Pour Part B (liquid) into a clean container. Stir with a low-speed, heavy-duty drill fitted with a paddle mixer.
- Pour Part A (powder) slowly into Part B and mix to a uniform consistency.
- Avoid lump formation during mixing and move paddle up and down in the mix. Check for any unmixed powder at the bottom of the container.
- Use the clean plastic pails supplied as product packaging for mixing containers.

### Bond Breaker

Use Chemind Chemflex PU sealant to form a 12mm angle fillet and install 35mm bond breaker tape in accordance with BCA as detailed by AS3740 and AS4654 for Class II waterproof membrane. Allow PU sealant to cure a min. 24 hours before proceeding with membrane installation.

## Application

- Pre-dampen all porous substrates with clean water prior to application. Remove any ponded water.
- Waterproof Membrane – Apply mixed slurry by broad soft brush, roller or broom in at least 2 layers, each in a cross direction to the other – min. 1.25mm DFT.
- Anti-Efflorescence Sealer – Apply Fastflex uniformly in one or two coats to achieve min. 0.45mm DFT.
- Allow to dry thoroughly between coats.
- Always apply Fastflex membrane on the side of the substrate that will be subject to hydrostatic pressure.

## NOTE

- Seal high stress areas such as structural cracks, joints, penetrations and floor wastes, with Chemind Reinforcing Fabric embedded between two heavy layers of Chemind Newflex. Allow this detail to fully cure before applying Fastflex system.
- Protect freshly applied Fastflex membrane from site damage and exposure to heavy rain for 12 hours.
- Avoid applying Fastflex under conditions of strong sunlight. **Do not apply Fastflex to very hot, dry substrates – re-dampen with water if necessary.**

## Surfacing

Fastflex membrane is foot trafficable within 8 hours. Use the following systems for specific situations as listed. Apply surfacing materials only to fully cured Fastflex.

- **Tanking**

Cover with Chemind Protectoboard, Protectodrain or Chemind Rapid Drain, followed by backfill or landscaping as required.

- **Decorative Coatings**

Apply Chemind Blockflex high build coating or exterior acrylic paints, roll-on textures or sand-filled PP grass.

- **Rigid Surfaces**

Use 0.2 mm PE slip-sheet with concrete topping.

Paving slabs may be installed with a cement mortar bed or laid on sand. Ceramic tiles may be laid on bedding or directly fixed with cement based adhesive.

Chemind Chembond polymer modified render or acrylic based textures may be applied directly to cured Fastflex.

- **Insulated - Thermally**

Use Chemind Insul-Foam closed cell insulation board to provide guaranteed thermal insulation.

- **Insulated - Acoustically**

Use Chemind Sound-Shield sound deadening system under tiles etc. to give required acoustic value.

## Coverage

- **Internal Wet Areas**

Floors – 1.5 – 2.0kg (litre)/m<sup>2</sup> (min. 1.25mm DFT)

Walls – 2-3 m<sup>2</sup>/kg (litre) (min. 0.3mm DFT)

- **General**

Water features, balconies, window or sill flashings and tanking – apply at 1.5 – 2.0kg (litres)/m<sup>2</sup>.

As anti-efflorescence coating apply total 2m<sup>2</sup>/litre.

Fastflex 40 kg set yields approx 38 litres liquid membrane.

## Packaging

Fastflex is supplied in 40 kg kits.

## Shelf Life

Unopened or resealed pails of Fastflex have a shelf life of one year, when stored in a dry, cool place.

## Clean-up

Remove uncured Fastflex with water. Chemind GP Solvent may assist with the removal of cured product. Exercise care and review all MSDS before solvent use.



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