

Fastflex

Flexible Polymeric Membrane

Description

Fastflex is a fast curing, two-pack, polymer modified, tough cementitious waterproofing membrane. It is reinforced with specially graded, fine rubber powder. When blended, Fastflex forms a flexible matrix of rubber polymer and hydrate structures, providing a tough breathable membrane that is impermeable to liquid water.

Chemind Fastflex is easily applied as a slurry onto horizontal and vertical surfaces of concrete, brick, block, render and cement sheet. Priming is not normally required.

Uses

Chemind Fastflex is ideally suited as a general purpose waterproofing membrane for bathroom wet areas, balconies, sill or window flashings, podium decks, planters, basement tanking, water features and landscaped areas.

It can be applied to most prepared surfaces encountered in construction.

Features

- No toxic or hazardous ingredients
- Water clean-up and low odour
- Environmentally friendly
- Simple application and fast cure
- Waterproof - resists ponded water
- Self-priming and non-staining
- Total adhesion - no water tracking
- Hardwearing - long life
- Crack bridging ability
- Multi-purpose high build
- Resists root penetration
- Designed to comply with AS3740
- Systems for Total Project Specification

Typical Properties

Colour	Part A – Dark Grey Powder
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 ²

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 internal corners or penetrations.

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.

Application

- Pre-dampen all porous substrates with clean water prior to application.
- Do not allow ponding of water; use a sponge or squeegee to remove excess.
- Spread Fastflex membrane slurry by broad soft brush, roller or broom in at least 2 layers, each applied in a cross direction to the other.
- Allow to dry thoroughly between coats.
- Always apply Fastflex membrane on the side of the substrate that will be subject to hydrostatic pressure.

NOTE

- High stress areas such as structural cracks, joints, penetrations and floor wastes, may be sealed if required with Chemind Reinforcing Fabric embedded between two heavy layers of Chemind Newflex. Allow this detail to fully cure before applying Fastflex system.
- Protect the applied Fastflex membrane from site damage and exposure to heavy rain for 12 hours after application.
- Avoid applying Fastflex under conditions of strong sunlight.
- Do not apply Fastflex to very hot, dry substrates.

Surfacing

- Tanking
 - ♦ Cover with Chemind Protectoboard, Protectodrain or Chemind Rapid Drain, followed by backfill or landscaping.
- Rigid Surfaces
 - ♦ 0.2 mm PE slip-sheet with concrete topping.

- ♦ Paving slabs or ceramic tiles on bedding or directly fixed with Chemind Chem-Fix adhesive.
- ♦ Chemind Chembond polymer modified render or textures may be applied directly to Fastflex.
- Insulated - Thermally
 - ♦ Dow Roofmate 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

Typical total usage rate for Fastflex is 1.25 - 2.0 kg (or litres)/m² depending on substrate.

When mixed, a 40 kg set of Fastflex yields approx 38 litres Fastflex liquid membrane.

Packaging

Fastflex is supplied in 40 kg kits comprising: 2 x 10 kg bags Part A Powder and 1 x 20 kg pail Part B Liquid.

Shelf Life

Unopened or resealed pails of Fastflex will have a shelf life of 1 year from date of manufacture, 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 when using solvents. Please review all MSDS before use.



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