

BETEC™ FLX 110

One Component Flexible Waterproofing Compound

Product Description

BETEC FLX 110 is a unique, highly flexible, high performance one-part latex modified cement waterproofing membrane engineered for a range of positive and negative uses.

Uses

BETEC FLX 110 may be used for non-moving retaining walls, landscape areas, water tanks, basements, lift pits and general waterproofing.

BETEC FLX 110 has excellent resistance to soil conditions and saline conditions. It is suited to cementitious substrates, in-situ or pre-cast concrete, render, masonry as well as PALC lightweight block and brick.

Features

- Non-Toxic, low VOC, Green Star compliant
- One component, add water, easy to use
- Used for both positive and negative waterproofing
- Anti-Efflorescence Sealer – used over tile bed on decks and in wet areas to prevent calcium staining
- Withstands immersion and 60m water head pressure
- Excellent flexibility and crack bridging
- Suitable for Potable Water

Preparation

Surfaces are to be sound, free from existing coatings and contaminants – water-blast and skim concrete tank walls. Repair surface defects with CHEMBOND™ modified mortar. Fill joints, cracks and form fillets with SILCOR® LM PU sealant. Install 35mm bond breaker tape to cracks, joints, corners as required for Class II membrane.

NOTE: In water tanks use 1.5mm x 200mm bandage of NEWFLEX™ Grey and Reinforcing PE Fabric to all internal corners.

Mixing

- Use all appropriate PPE, rubber gloves and eye protection during use and application.
- Put 15kg powder in a clean container, add 4-5 litres water, mix with electric drill – allow to stand 5 minutes, re-mix and use. Adjust water to suit application. Excess water will reduce strength and delay set time.
- Do NOT re-work any partially set material – discard it.

Typical Properties

APPEARANCE	DARK GREY POWDER
Elongation	150%
Pot Life @ 25°C	approx. 30 – 45 minutes
Dry Time @ 25°C	approx. 2 hours
Application	5°C - 30°C

Application

Substrate may be either dampened with water (no free or ponded water present) or pre-primed with CHEMBOND™ slurry 1:1:1:1, sand:cement:CHEMBOND™:water.

Apply the mixed BBETEC FLX 110 slurry by broad soft brush, roller or broom in at least 2 layers, each in a cross direction, one to the other.

- General – Retaining walls, lift pits etc.
 - min. 2.0 litres/m². (min. 1.25mm Dry Film Thickness (DFT))
- Anti-Efflorescence Sealer
 - min. 1.6 litres/m² (min. 1.0mm DFT)
- Hydrostatic Pressure & Tanks
 - min. 3.2 litres/m² (min. 2.0mm DFT). Allow to dry thoroughly between coats.

Yield & Cure Time

BETEC FLX 110 15kg makes approx. 16 lit liquid membrane

- General – 8 - 9 m²/ bag (24 hours)
- Anti-Efflorescence – 10 m²/bag (24 hours)
- Hydrostatic Pressure & Tanks – 3m²/bag (21 days)

Packaging

BETEC FLX 110 is supplied in 15 kg bags.

Shelf Life

Unopened pails of BETEC FLX 110 have a shelf life of 12 months, when stored in a dry, cool place.

Clean-up

Remove uncured BETEC FLX 110 with water. MULTITEK™ Xylene may assist with the removal of cured product. Exercise care and review all MSDS before solvent use.

Health and Safety

In case of spills and accidents, refer to the MSDS of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant MSDS.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide product warranties for individual projects. Product warranty periods offered are dependent on project details and complexity. Requests for long product warranty periods may necessitate increased membrane thicknesses to ensure longevity. GCP does not provide product warranties for membranes in negative pressure applications. Contact your local GCP representative for further details.

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Last Updated: 2025-05-13

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