

KODEX BUILDERS BITUMEN

FOR RETAINING WALLS & PLANTER BOXES

DESCRIPTION

Kodex Builders Bitumen is a liquid applied, latex modified bituminous elastomeric waterproofing membrane which, when fully cured, forms a permanently flexible waterproof lining to most building surfaces including reinforced concrete, block work, brick work and cement render.

FEATURES

- Single component, user friendly.
- Simple application – brush, roller or spray
- Excellent elasticity.
- Seamless
- Environmentally friendly
- Non-toxic water based
- Fast curing

USE AREA

- Retaining walls and underground surfaces
- External cellar and basement walls
- Planter boxes and garden beds
- Gutter repairs
- Roofing and membrane repairs
- Protective coating over metal and timber surfaces

PACKAGING

- 15 Litre

TECHNICAL INFORMATION

Colour	Purple when wet, dries black
Weather resistance	Should be protected from sunlight
Drying	Tack Free: 60-90 minutes Re-coat: 2-4 hours
Based on normal ambient temperatures of 23°C and 50% RH	Dry film – 24 hours Backfill: 5 days curing Flood test: 10 days curing
*Temperature, humidity and porosity will vary dry times	
Recoat time	4-6 hours @ 25°C
Coverage	Masonry – 1.8 – 2.0L/m ² or 3 coats @ 0.6L/m ² each Concrete – 1.5 – 1.8L/m ² or 2 coats @ 0.9L/m ² each
Wet film per coat	0.9mm thick
Dry film thickness	1.0mm minimum
Elongation @ break	>300% at 25°C
Solids content	58% by volume
Shelf life	12 months in unopened container @ 20°C





SURFACE PREPARATION

Concrete must be cured for a minimum of 28 days and render 7 days. Remove dirt, dust, loose particles, oil and unsound concrete etc. Water blast if necessary. Surface must be dry. Fill holes and open joints in block work or concrete prior to application of membrane.

PRIMING

Kodex Builders Bitumen is self priming when used on most surfaces e.g. Sound concrete, block work. Surfaces may be primed with Kodex Builders Bitumen thinned with 50% water or with Kodex AR Sealer. Areas subject to rising damp should be first sealed with an epoxy coating, such as Kodex E50.

BOND BREAKERS

Apply a bead of Kodex Neutral-cure silicone to the following areas: Wall/ footing junction where movement is expected and expansion joints, generally to all areas where movement is likely to occur.

REINFORCEMENT

A reinforcing fabric such as 140-200mm wide polyester bandage should be used over the following areas: expansion joints, cracks, footing/ floor to wall junctions, around floor/wall penetrations, and any other area movement will occur. Reinforcement is also required over construction joints in walls.

APPLICATION

Reinforced: To the prepared surface apply a heavy coat of Kodex Builders Bitumen by brush or roller at approximately 2m²/litre. Immediately lay the reinforcing fabric into the wet surface, then apply another coat and work in carefully by brush or roller to saturate the fabric. When dry apply one or more coats to give a fully waterproof lining. Ensure a minimum coverage of 1.6 Litre/m². When dry, check for pinholes or misses and recoat if necessary.

Un-reinforced: To areas where a reinforcing fabric is not utilized apply 3 coats of Kodex Builders Bitumen at a total rate of 1.8 Litre/m² ensuring full coverage by brush, roller or spray (use 21 thou Min tip size + airless spray).

Porous Surface (Masonry): May require 3 coats to obtain a satisfactory dry film thickness.

CLEANING

Clean with water before dry.

PRECAUTIONS

Do not apply above 30°C or below 10°C ambient temperature. Be sure coating will cure before contact with water. Wash equipment with water before dry. Protect Kodex Builders Bitumen from extended sunlight exposure. Planter box membrane must be fully cured before being subject to moisture or soil. Protect membrane against damage before and during backfilling or covering. Kodex protection board may be used where suitable. Use an approved drainage system and protection board in planter boxes and retaining walls before filling to protect membrane from any damage. Do not expose to solvents.

