

POLYFLEX-B

WATER-BASED BITUMINOUS WATERPROOFING

DESCRIPTION

Polyflex-B is a water-based and stable bitumen emulsion. The product appears dark brown upon application and cures to form a black, flexible coating. When fully dried, it provides an effective waterproof barrier.

APPLICATION AREA

- Floor Slabs
- Terraces
- Bathrooms
- Patios
- Swimming Pools
- (Exterior Wall)
- Retaining Walls
- Balconies
- Water Tanks
- (Exterior Wall)
- Lift Pit
- (Exterior Wall/Slab)

Polyflex-B has been tested by SIRIM QAS International Sdn. Bhd. in accordance to BS 1881-122 : 2011 – Testing concrete. Standard Test Method for Determination of Water Absorption.

ADVANTAGES

- Ease of application directly from container
- Can apply directly on damp or wet surfaces
- The softening point will not be further softened due to hot and humid climate in tropical countries
- Resistant to any bubbling or side osmosis phenomenon even submerge in water for a long time
- Capable of re-application
- Non-Toxic
- Good Chemical and water resistance, including resistance to water, alcohol, most salt solutions, some dilute acids and alkalis. However, it is not resistance to oils, solvents or strong detergent solutions.

TECHNICAL & PHYSICAL DATA

Form	Liquid
Colour	Dark Brown
Density (ASTM, D1475)	0.96-1.03
Water Absorption	0.63%
Water Vapour Permeability (ASTM D 1653)	0.4g/m ² /24h
Residue by Evaporation % weight (ASTM D 2939)	>53.00

PACKAGING AND STORAGE

Available in 20kg pail

Polyflex-B has a shelf life of 12-months in unopened / undamaged pail. Store in a cool dry place. It must not be stored in open sunshine. This material is subject to damage by frost or heat.

IMPORTANT NOTES

- Minimum ambient and substrate temperature is 5°C.
- Never apply more than 3kg/m² of **Polyflex-B** in one single layer.
- Apply only to clean, sound substrates where surfaces be well dampened but free of surface water and leaks.

SURFACES PREPARATION

All the surfaces must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly.

All shrinkage and non-moving structural crack shall be rectified by PU Injection Grouting and must be properly repaired prior to receive **Polyflex-B** Waterproofing.

For some difficult areas, such as the position of cracks, secondary joint, right angle of wall and the boundary of water jacket shall be strengthened first with one layer of **Polyflex-B**.

NOTE

- **Polyflex-B** should be applied in minimum 2-coats.
- Primer is required in areas of extremely high infiltration for better bonding.

APPLICATION

Polyflex-B should be applied by brush or roller. Apply the first coat at 0.65 kg/m². After the first coat has dried (approximately 4 hours), apply a subsequent coat at 0.65 kg/m² as the final coat.

CURING

For optimum performance, **Polyflex-B** should be allowed to cure for (12)-hours before the finishing concrete, tiles etc and during this time precautions must be taken in order to prevent damaging to the coating.

CLEANING

Tools and equipment just can be clean with clean water immediately, after use.

SAFETY

- Impervious gloves and barrier cream should be used when handling this product.
- Eye protection should be worn.
- In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place.
- Wash off with an industrial skin clearer followed by plenty of soap and water.
- Do not use solvent.
- Ensure adequate ventilation when using this product.