

# POLYCOTE BB

Elastomeric waterproofing membrane



## Description:

POLYCOTE BB is a two component acrylic polymer modified elastomeric waterproofing membrane which consists of POLYCOTE BB powder and POLYCOTE BB liquid acrylic emulsion. It requires only clean fresh water on site mix when mixed in the proper proportions, an easily brush able coating is produced. POLYCOTE BB powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and POLYCOTE BB liquid component of blended acrylic copolymers. The polymer provides POLYCOTE BB with exceptional adhesion, toughness and durability.

## Uses:

- Water tanks, reservoirs, swimming pools
- Roofs and terrace of all types of low and high rise building
- To protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases
- To re-face and even out variations in concrete and masonry surfaces
- To seal concrete masonry walls and bridges the shrinkage cracks which are static
- To provide a tough and durable coating which cannot be easily damaged or worn away

## Advantages:

- Minimum surface preparation needed low labor costs
- Applied directly to the damp concrete and masonry
- Excellent adhesion bonds to porous

and nonporous surfaces

- Non-toxic-ideal for potable water tanks
- Excellent for damp-proofing basements
- Allows transmission of water vapor from interior of building
- Excellent for concrete roof, leaking brick and masonry walls
- Good resistance to Carbon dioxide and Chloride ion diffusion

## Company Standard Compliance:



## Technical Information:

Properties	Specification
Mixed color	Grey
Application temperature	Not less than 10°C
Mixed Density	1.90 Kg/ltr (brushable consistency)
Pot life @20°C & 35°C	1 hrs and 20min respectively
Tensile Strength (ASTM D412)	2 N/mm <sup>2</sup> (at 1.5mm thickness)
Elongation at break % DIN53504 @27°C	Min. 150

## Application Procedure:

### Surface Preparation:

All surfaces which are to receive the coating must be free from oil, laitance, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Typically concrete surfaces can be cleaned using high pressure water jet or grit blasting or by proper wire brushing Spalled surfaces.

### Priming:

Prime the surface with PRIMER WH if necessary .priming the surface before waterproofing will provide better adhesion to the substrate and increase durability of waterproofing system.

### Mixing:

Mix the pack of POLYCOTE BB powder and POLYCOTE BB liquid properly which is supplied in pre weight quantity

### Application:

Apply the mix with the help of brush on the prepared surface. It is recommended that for general resurfacing the total thickness of the applied material be 1 to 2 mm. Areas subjected to moderate and heavy loads/ hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above. Allow the POLYCOTE BB to dry before covering with screed. Sprinkle coarse sand on wet surface of final coat for better adhesion of screed. Average drying time is 4 to 6 hours at normal temperatures.

### Cleaning:

POLYCOTE BB should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

### Coverage:

The approximate coverage per pack at even consistency (1 mm thickness) is as follows:

Consistency Brush Application Coverage (10 kg + 5 lit pack): 10 m<sup>2</sup>

This depends on the required consistency of surface.

### Packaging:

POLYCOTE BB is supplied as a package of 3 Kg set (2 kg bag powder + 1 liter jerry can)

POLYCOTE BB is supplied in 15 Kg set (10 kg bag powder + 5 liter jerry can) &

30 kg set (20 kg bag powder + 10 liter jerry can)

### Storage & Shelf-life:





Minimum of 24 months shelf-life if kept under room temperature (i.e. 27°C).




### Health & Safety:

POLYCOTE BB is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Should use a dust mask while handling the powder.

### Fire:

POLYCOTE BB is non-flammable.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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