

PLASTCONE BB

Acrylic polymer modified elastomeric waterproofing membrane coating for concrete and masonry surfaces

Uses:

- POLYCOTE BB provides a seamless, waterproof coating suitable for use in water tanks, reservoirs, swimming pools, roofs and to ensure water tightness.
- POLYCOTE BB effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases.
- POLYCOTE BB is designed to re-face and even out variations in concrete and masonry surfaces.
- POLYCOTE BB effectively seals concrete masonry walls and bridges the shrinkage cracks which are static.
- POLYCOTE BB provides 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
- Waterproof - Excellent for damp-proofing basements
- Breathable-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

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 brushable coating is produced.

POLYCOTE BB can simply be applied by a stiff brush, or trowel to obtain the desired thickness.

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.

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Properties:

- Pot life At 20°C: 1 hour
At 35°C: 20 min.
- Mixed Density: 1.90kg/liter (brush able Consistency)
- Tensile strength: 2 N/mm² (at 1.5mm Thickness)
- Colors: Grey
- Application temperature: Not less than 10°C
- Toxicity: Non-toxic
- Adhesion to concrete : >1N/mm²

POLYCOTE BB provides an elastomeric protective waterproof coating and is shown to resist positive hydrostatic pressure upto 7 meter head. The degree of resistance of POLYCOTE BB to water under pressure depends on the coating thickness.

Areas subjected to moderate and heavy loads/hydrostatic pressure. Minimum 2mm thickness coating is recommended with screed above

Application Instructions:

Preparation:

All the surfaces which are to receive POLYCOTE BB must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Recon System.

Mixing:

POLYCOTE BB is poured into a plastic or metal drum into this liquid compound is added, for brush Application consistency. Then mixing is started with a slow speed drill (350-450 rpm). The powder component is added gradually to the liquid avoiding lump formation and mixed for 2-4 minutes. Mix and use, more material should not be mixed than can be used within pot life. Retempering with water should not be done. Keep on stirring during application.

	Indl.pack
POLYCOTE BB Powder	8 kg
POLYCOTE BB Liquid	5 ltr

Application:

For best results moisten the surface before coating with POLYCOTE BB. Apply the mixed material using a short, stiff bristle brush preferably 100 to 150mm width like paint. Trowel thickness. The second coat of POLYCOTE BB shall apply as soon as the first coat has reached touch dry state.

On hot substrates, i.e., over 40°C surface temperature, a primer coat of mixed POLYCOTE BB and water with slurry like consistency should be applied. Prime only areas that can be coated with POLYCOTE BB before the primer dries Material

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should not be applied at temperatures below 10°C. It is recommended that for general re-surfacing 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.

Subsequent Finishes:

POLYCOTE BB provides an aesthetically pleasing surface finish texture depending on the method of application, and does not normally require any further surface finishes. POLYCOTE BB is however compatible with most forms of subsequent coatings.

Cleaning:

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

Estimating:

Packaging

POLYCOTE BB powder is supplied as a package of 12kg bag (Industrial Pack) and 2.4kg bag powder. POLYCOTE BB is supplied in 5 liters and 1 liter jerry can.

Coverage:

This depends on the required consistency. The approximate coverage per pack at even consistency (1 mm thickness) is as follows:

Consistency Brush Application

Coverage (8 kg + 5 lit pack): 10 m²

Allowances should be made for any possible wastage when estimating.

Storage:

POLYCOTE BB has a shelf life of 6 months in unopened packs, if kept in a dry store. In high humidity locations, the shelf life may be reduced to less than 6 months. Prevent POLYCOTE BB from freezing.

Precautions:

Health and Safety instructions

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 components are non-flammable.



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NOTE: Redwop products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale,

