

# Walltron Bitucoat

(Water Based Bitumen Paint)

## DESCRIPTION:

Walltron Bitucoat is a water based, cold applied, black color emulsified protective coating. This is a ready to use bituminous liquid coating. It forms a black flexible waterproof protective film upon drying. It is a highly thixotropic emulsion which can be easily applied to any thickness by roller or brush.

## FEATURES:

- Waterproofing – High film build up provides excellent water resistance.
- Seamless – Can be applied to complex shapes to form a seamless and highly durable water proofing membrane.
- Adhesion – Adheres firmly to most building surfaces including concrete, brick etc. both horizontal and vertical surfaces.
- Water based – Easy cleaning of tools and brushes by water.
- Easy to apply – Suitable consistency for easy application by brush, roller, or squeegee.
- Environmental – Non-toxic, green product.

## TYPICAL APPLICATION:

- Commonly used as a protective and waterproof coating for concrete foundations, retention wall, retaining structure below ground but above the water table level.
- It is used as a moisture vapor barrier on block works and concrete surfaces prior to cladding. It can also be used as a protective coating for roofing systems.
- Waterproof basements, side walls, toilets and various wet areas like channels, dams, tunnels etc.

## TECHNICAL INFORMATION:

Properties	Standard Specification	RESULTS*
Appearance		Black thick viscous liquid
Product type		Bituminous emulsion
Solid content	ASTM D 2939	45±2% (w/w)
pH value		10±2
Sp. gravity at 27°C	ASTM D 2939	1.05±0.05 gm/ml
Viscosity		70000±20000 cps
Tensile strength		0.5±0.1 N/mm <sup>2</sup>
Tack free time	ASTM D 2939	10-12 hours
Application temperature		5°C to 55°C

\*All values given are subject to 5-10% tolerance.

## **DIRECTIONS FOR USE:**

### **Surface Preparation**

Prepare the surface thoroughly by cleaning, washing, and removing dust, dirt, oil, grease and loose particles using wire brush and water jet. Break the weak portion of concrete surface near the area of repair and clean with water jet. The application temperature should be between 5° C to 55° C.

### **Crack Filling**

Cracks of size up to 5mm should be filled by Walltron Nseal Crack Fill Paste. Cracks wider than 5 mm should be filled by applying Walltron Enhancer or Walltron Wall+ modified mortar slurry using putty blade properly. Let it dry for 24 hrs.

### **Priming**

Use Walltron Bitucoat as a self-priming by diluting it with water in 1:1 ratio (1-part Bitucoat: 1-part water). Apply primer coat with a brush, roller or airless spray and let it air dry. Primer coat penetrates the concrete pores and seals the substrate. It also acts as an adhesion promoter for further coatings.

### **Application**

- Stir the product well before use.
- Apply a layer of coats with a brush or roller and let it dry for 8-10 hrs.
- After that apply the second coat at right angles using brush or roller and allow it to dry for 24 hrs.
- Sprinkle sand at 200 gm/m<sup>2</sup> over the final coating when the surface is still tacky to facilitate plastering or further construction.
- Allow final curing time of 36 hrs. before carrying out any further work.
- Conduct ponding test after 7 days of curing at ambient temperature.

## **COVERAGE:**

For the 1st coat 40 - 45 sq. ft. per litre and for the 2nd coat 45 - 50 sq. ft. per litre. For two coats 20-22 sq. ft. and DFT about 250 – 300 microns. Coverage may vary depending on the texture and porosity of the application surface.

## **PACKING:**

5L & 20L

## **SHELF LIFE & STORAGE:**

Best before 12 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool and dry place between 5°C to 30°C in closed condition and away from direct sunlight.

## **PRECAUTIONS & LIMITATIONS:**

Follow recommended application strictly.

## HEALTH & SAFETY PRECAUTIONS:

Wear suitable protective clothing, gloves and eye protection during mixing and application. In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water. In case of contact with your eyes, immediately rinse with plenty of clean water and take medical advice.

### DISCLAIMER:

The product information & application details given by the company & its agents have been provided only as a general guideline for usage. No guarantee / warranty is given or implied with any recommendations made by us, our representatives, or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control. The company does not assume any liability or consequential damage for unsatisfactory results arising from the use of our products.



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