

# Comtech Bitumen WB

Water based low viscosity bitumen emulsion.

## Description:

Comtech Bitumen WB is a water based bitumen emulsion of high penetration grade to be used as quick drying bitumen sealer. It is used as a primer coat on masonry and concrete substrates to improve the adhesion of bitumen based membranes. Comtech Bitumen WB is low in viscosity, which allows it to penetrate into the concrete pores. In addition to that, it also acts as a binder for the dust particles which gets accumulated on the concrete surface even after cleaning.

## Advantages:

- Economical
- Waterproof & weatherproof
- Anti Corrosive
- Cold applied
- Easy to apply

## Primary uses:

Can be used for a wide variety of applications, which includes the following:

- Protective coating on concrete foundations
- Curing compound on freshly cast concrete structures
- Damp proof membrane in sandwich Constructions
- Vapor proof barrier coating for interior & exterior floors & walls
- As a primer coat prior to the application of torch applied bituminous waterproofing membranes and oxidized bitumen.

## Method of use:

The application temperature should be between 4°C to 55°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the primer is as follows:

### Surface preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, nail head protrusions, structurally unsound and friable concrete shall be removed and repaired with a suitable concrete repair mortar. The surface must be dry before priming with Comtech Bitumen WB.

### Application

Mix the contents of the pail or drum for a few minutes to remove any sediments. Apply the primer @3-5 m<sup>2</sup>/lt. to a clean smooth and dry surface by brush/roller. For highly porous surfaces application of a second coat is recommended.

The second coat shall be allowed to dry before the application of subsequent layers.

## Coverage:

The coverage is 3-5 m<sup>2</sup>/lt./coat. However, the coverage will depend on the porosity of the substrate. In order to ascertain the exact coverage, a trial application is carried out at site.

### **Typical properties:**

Color	Black
Specific gravity	1.05 at 25 °C
Solid content	40 %
Service temperature	-10 to 70 °C

### **Chemical resistance:**

Potable water	Excellent
Sea water	Excellent
Protection against corrosion salt test	Excellent
5% Sodium sulphate	Satisfactory
10% Sodium Hydroxide	Satisfactory

### **Packaging and storage:**

Comtech Bitumen WB is supplied in 200 liter drums. The drums must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures. The shelf life of the product is 12 months if stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### **Health and safety:**

As with all bitumen products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

Treat any splashes to the skin or eyes with fresh water immediately.

Should any of the products be accidentally swallowed, call for medical help immediately.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.