



**CHEMIX EMULSION WLL.**  
Bitumen emulsion provide an alternative  
approach in which the bitumen is liquefied

**Technical Data Sheet**  
**Issue Date: 02-01-2013**

## **CHEMIX WB – 30**

### **Water Based Bitumen Emulsion Protective Coating**

#### **Description**

**Chemix WB-30** is one component water based high solid content bitumen emulsion that when applied, obtains a damp proof protective coating. It gives a continuous barrier to the passage of water and water vapor. It dries quickly and acts as a protective and curing material for all cementitious substrates, masonry, and brick walls.

**Chemix WB-30** could also be used as a primer and adhesive for a wide range of torch applied bituminous membranes, and for under cladding works for facades.

**Chemix WB-30** could also be used as a curing compound for the concrete which is supposed to be buried (like foundation) if coated just after the final set of the concrete takes place, and thus **Chemix WB-30** gives a free cost save for its user.

#### **Uses**

Water proofing for foundations and all underground works.

As a primer for all reinforced bituminous membrane isolation systems.

As a curing agent for underground concrete.

For all cladding works under marble and metal sections finishing.

#### **Advantages**

Good adhesion to most construction substrates.

Non Flammable.

Could be applied over green concrete and damp surfaces.

Asbestos free

Easy to apply, one component.

Fast drying.

Safe, as it is water based.

Economical, especially if used as a curing and damp proof agent in a time.

Resists chloride ion, and sulfates attack.

#### **Standard Compliance**

**Chemix WB-30** complies with the following ASTM standards D 4479, D70 ASTM C309 Water retention requirement as a curing compound

#### **Packaging**

20 Kg pail & 200 Kg drums.



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### **Shelf life & Storage**

12 months storage life if stored in its original unopened containers under shaded place in a temperature from 5oC to 45oC.

### **Properties**

Form	Dark Brown Liquid
Drying film color	Black
Density kg/ltr @ 25oC	0.95±0.02
Bitumen Content, %	≥30
Drying time min @ 25oC	60±5
Over coating time hrs @ 25oC	6±15 min
Coverage, m <sup>2</sup> /kg	4-5

The DFT thickness is 80 mic@4m<sup>2</sup>/kg.

But this thickness is theoretical due to the high expected absorption in concrete.

### **Application Instructions**

#### **Surface Preparation**

The surface to be treated must be sound, clean and free from contamination such as oil and grease.

#### **Application**

**Chemix WB-30** should be stirred well before use. It is recommended to be applied by brush or roller for two coats (in case high build layer is required, more coats should be applied).

**Chemix WB-30** could be applied on damp and green concrete

#### **Cleaning**

**Chemix WB-30** can be removed from tools and equipments with water as long as it is wet.

#### **Precautions**

#### **Health and Safety**

**Chemix WB-30** is non - hazardous. It should not be swallowed or allowed to come into direct contact with skin or eyes. Suitable protective goggles and gloves should be worn. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.