



BITUPROOF WB

Non-flammable cold applied bituminous protective coating with excellent adhesion and very good mechanical properties

DESCRIPTION

Water base coating with low viscosity and high coverage rate with permanent protection of concrete surface subjected to aggressive soil. It is a blend of selected bitumen emulsified with water which dries to form a tough protective bituminous layer.

PRINCIPAL CHARACTERISTICS

Water-based bituminous product based which is applicable system with high curing efficiency.

COLOURS AND APPEARANCE

One component, Black liquid

PROPERTIES & BASIC DATA AT 23°C

Specific gravity	1.0 ± 0.05
Drying time	60 - 90 min
Over coating time	3 hrs
Chloride protection	v. good
Flexibility	Good
Flash point	none

CHEMICAL RESISTANCE

Excellent to water, dilute acids, alkalis, chlorides and sulphates.

WHERE TO USE

- Protect from salt attack by providing a continuous barrier against water ingress.
- Below ground concrete protection.
- Concrete slabs of bathrooms, roofs and balconies
- Concrete curing by water retention
- Steel & concrete pipes.
- Corrosion protection to metal surfaces.
- Used for protection of foundations, basements and below ground concrete
- It is considered as water & vapor barrier damp proof membrane.

ADVANTAGES

- Quick drying, easy application (Brush, roller or airless spray) as it is single component.
- No heating required (cold application).
- Economic and Increased coverage per kilogram.
- Water based, containing no solvent make it non-flammable and suitable for applied in closed places
- Can be applied over damp surfaces with excellent adhesion to most common building substrates.
- Good resistant to most naturally occurring chemicals, acids and weathering conditions after drying.
- Good mechanical properties with no crack at low temperature.

SYSTEM SPECIFICATION

WATERPROOFING SYSTEM.

INSTRUCTIONS FOR USE

- Avoid excessive air entrainment by over mixing.
- Additional water is accepted according to recommended in our Technical Data Sheet and nature of uses (10 : 20%).
- No excess water to be added more than recommended in our Technical Data Sheet.
- Excess water will reduce durability, waterproofing properties, adhesion, Impermeability and weathering resistance.

PRECAUTIONS

- Not to be used in contact with drinking water.

1 RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- BITUPROOF WB can be applied to freshly poured concrete
- BITUPROOF WB can be applied at various weather conditions but ideal applications carried out in a hot weather where the Minimum application temperature is 5°C, so do not apply when temperature is 5°C or going to fall below 5°C within 24 hours.
- Substrate surface temperature must be above 5°C.
- The substrate to be properly prepared, clean, smooth and dust free.

2 SURFACE PREPARATION

- As with all coating systems, surface preparation is of prime importance.
- All substrate surfaces must be properly prepared, clean, free from oil, grease, or any loosely adhering material.
- Remove efflorescence, mineral salts, fungus and form treatment by an appropriate method.
- If the concrete surface is defective or has excess laitance, it must be cut to a sound base by an appropriate method.
- Holes and joints must be filled.
- Smooth or new substrate should be mechanically roughened to provide an "Open Pore Surface" to enhance the effectiveness of the crystallization process.
- Non-sand blasted surfaces will affect the bond of the cementitious slurry & performance of crystallization process and the.
- All surfaces must be as true and flat as possible.

3 MIXING

- Agitate before use. As stalemate can occurs, the drum should be rolled before decanting material.
- Add 10-20% of clean water to BITUBROOF WB and Stir it to achieve homogenous consistency of the product.



4 APPLICATION

- Depending on type of application, porosity of surface two coats is the minimum recommended application.
- Three (3) coats may be required in areas of extremely high infiltration or aggressive conditions.
- Allow minimum 2 hours between coats.
- BITUPROOF WB is normally applied with brush or roller in two coats with minimum surface preparation.
- Air spray application is recommended for large areas and can be applied for any numbers of coats.
- Dampen the substrate surface by water before application but free of standing water is highly recommended.
- While the substrate is still in a wet condition, apply the first coat by spreading a layer of BITUPROOF WB on the substrate surface and level it out by roller or brush.
- Leave the first coat to dry (2-3 hours).
- Apply the second coat as soon as possible, after drying of the first coat, to ensure proper adhesion between layers.

AIRLESS SPRAY

Can be applied by airless spray gun

AIR SPRAY

Can be applied by air spray

BRUSH / ROLLER

Can be applied by brush and roller

CLEANING

BITUPROOF WB should be removed from tools and equipment immediately after application by cleaning with water & soap for non-hardened material, for hardened materials use PROTHINNER CL

PACKAGING

BITUPROOF WB is available in 10, 15 Kg pails & 200 kg drums

THEORETICAL COVERAGE

- Depending on type of application & porosity of surface, two coats is the minimum recommended application.
- Three (3) coats may be required in areas of extremely high infiltration or aggressive conditions.
- Approx. 0.35 to 0.4 kg/m² for 1st coat consumption.
- Approx. 0.15 to 0.2 kg/m² for 2nd coat consumption.
- 0.25 - 0.30 kg/m² (175 microns D.F.T.).

STORAGE

BITUPROOF WB has shelf life of 1 year when store in its original unopened packs in proper conditions under cover, out of direct sunlight and protected from extremes of temperature and humid environmental and free from heat and frost.

HEALTH AND SAFETY

- All work involving the application and use of this product should be performed in compliance with all relevant national Health, Safety & Environmental standards and regulations
- Prior to use, obtain, consult and read well the Material Safety Data Sheet for this product and follow all precautionary notices.
- Take precautions to avoid inhalation of spray mist, skin, mucous membrane and eye contact by the use of safety equipment (gloves, goggles, face masks, barrier creams etc.) and other personal protection.
- BITUPROOF WB may cause irritation to the skin and/or mucous membrane of sensitive people
- If skin comes in contact, it should be thoroughly flushed and washed with fresh water and proprietary cleanser and soap.
- Eyes should be cautiously washed with fresh water or proprietary wash and medical attention obtained.
- Don't use solvents for skin cleaning
- Equipment and tools to be cleaned immediately after use with clean water.
- Don't dispose of water or soil but according to local regulations.
- Keep labelled until decontaminated.

ADDITIONAL INFORMATIONS

PROTECH provides all type of coatings and construction chemicals which answers the queries of modern engineers for trouble free durable structure.

PROTECH create special and specific products when there are critical applications that require specific requirements (tailor made designs)

PROTECH technical office gives this information and recommendations relating to the application of products in this data sheet representing test results & practical experience obtained under a good and controlled conditions when properly stored, handled and applied under normal condition.

However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice

PROTECH data are correct to the best of our knowledge and experience of products.

The differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose.

All orders are accepted subject to our current terms of sale and delivery.

PROTECH 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.

PROTECH technical services department is ready to provide our customers with more information and after sales support to assist our customers in a proper application, so don't hesitate to consult us.