



# SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

*Your Energy Saving Partner*



## Bitumenous Emulsion:

Bitumenous Emulsion is a mixture of water and Bitumen. But as we know Bitumen is oil based product and do not soluble in water, that's why emulsifier added to water before adding bitumen so Bitumenous emulsion is combination of three things water, emulsifier and bitumen.

Water Based emulsion processed from suitable grade of bitumen. The application of this product forms a tough surface with in 6-24 hours (depending upon climatic conditions) and renders adequate protection against moisture and accidental damage. Because of plasticity It can resist cracking caused by movements or temperature changes. It is

an ideal and economic method of providing long term protection to exposed insulation besides preventing of steam losses.

## CHARACTERISTICS:

- An outstanding quality of bitumenous Emulsion is the drying from inside so that the evaporation of moisture is outwards.
- Continuous, jointless surface over entire insulation.
- Impervious to moisture over entire insulation.
- Impervious to moisture and perfectly weatherproof.
- Highly resistant to acidic and alkaline corrosive influences.
- Non-flammable, inert, odorless.
- Will not flow or creep at any surface temperature normally encountered.
- Will not flake or crack under winter frost.
- Insulation maintained permanently dry with a high degree of efficiency thus ensuring that fuel and operating cost are kept at a minimum.

## Application:

- Damp Proofing
- Water Proofing below and above the ground level
- As a Sealant for polystyrene, insulex soft board, fiber glass insulation.
- Suitable for cold storage, wall & ceiling adhesion.

## Advantages:

- There is no need to heat during storage, transportation and paving.
- No solvent fumes (no bad smell, no breathing hazard and no special need for ventilation)
- During application, splashes can be cleaned off easily with water (no need for special cleaning agents)
- Equipment can be cleaned with water (no need for special solvent cleaner).

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- Water based coatings do not damage plastics or bitumen
  - Non toxic personal physical contact is not harmful.
  - Water Based coatings can be applied to both dry and damp surface. This is major advantage in situations where rain has fallen, or wet soil has been removed to expose a foundation that needs to be treated in such circumstances the based coatings will take longer to dry, but the water in the surface will merge with the water in the coatings and evaporate with it. In case of a solvent – based coating, the surface must be dry in order for an application to be made.

### **Covering Capacity :**

- Approximately 10 kgs for a dry film thickness of 6 mm per square meter.