INSUCOAT WB

Bitumen emulsion cold applied paint

INSUCOAT WB is an emulsified bitumen protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to water vapor transmission.

CHARACTERISTICS

- Resists the attack of salts like chlorides and sulphates that present in the soil
- Cold applied
- Adheres to concrete, metal, wood, etc.
- environmentally friendly, can be applied in closed or confined spaces
- Water-based
- Non- flammable
- Versatile
- Economical

FIELDS OF APPLICATION

INSUCOAT WB is used for providing damproofing for below ground concrete structures which are above the water table. It can be also used as a protective coating for built-up roofing systems.

APPLICATION INSTRUCTIONS

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending on site conditions. The general recommended guide lines for the application of the bitumen coating are 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 and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed.

Priming

The primer coat can be made at site by diluting the same bitumen emulsion with 20% water. The primer can be applied by a brush, roller or airless spray. Allow the primer to dry before any further coats are applied.

Application

The application can be done with a roller, brush or airless spray. Apply the coating at a coverage rate of 1-4 m^2/Kg/coat, depending on the dry film thickness required. When applied at 4m^2/Kg/coat, the dry film thickness achieved will be 125 microns. Further coats shall be applied only after the previous coat dries off completely.

However, the coverage depends on the smoothness and porosity of the substrate and the required thickness of the coating.

Protection

The coating shall be protected from ongoing site activities and during backfilling from getting damaged by a 150 micron polyethylene sheet.

COVERAGE

Moisture vapor barrier coating: 4 m^2/Kg/coat will give dry film thickness of 125 microns.

STORAGE & SHELF LIFE

The drums and pails must be stored in a covered area, away from direct sunlight, and other sources of heat. The shelf life is up to 12 months when stored as per recommendations. Excessive exposure to sunlight and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidental swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

PACKING

INSUCOAT WB is supplied in

10 Kg Pail	(Net 9 Kg)
15 Kg Pail	(Net 14 Kg)
20 Kg Pail	(Net 19 Kg)
200 Kg Drum	(Net 180 Kg)

Produced by INSUTECH

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Technical Specifications:

According to designation: ASTM D 1227 – 95 (Reapproved 2007) INSUCOAT WB is classified into Type III, Class I, Emulsified Bitumen prepared with mineral colloid emulsifying agents, without fibrous reinforcement.

PROPERTIES	VALUES	TEST STANDARDS
Form	**Thick Viscous Liquid**	**-**
Color	**Dark –Brown**	**-**
Density, gm/cc (specific gravity)	**1.03 ±0.02**	**ASTM D 2939 & ASTM D 1227 – 95 (2007)**
Solid content,[%] or Residue by evaporation, %	**35±3**	**ASTM D 2939**
Firm set [hrs] or drying time	**24**	**ASTM D 2939 & ASTM D 1227- 95 (2007)**
Application temp, [°C]	**5 to 45**	**-**
Heat Test	**100 ± 3 °C no blistering, sagging, or slipping**	**ASTM D 2939 & ASTM D 1227- 95 (2007)**
Flexibility	**0 ± 1 °C no cracking or flaking**	**ASTM D 2939 & ASTM D 1227- 95 (2007)**
Resistance to water	**24hr No blistering or re emulsification**	**ASTM D 2939 & ASTM D 1227- 95 (2007)**