



DATASHEET

ADVAPRIM BITUMEN Cold Bitumen Emulsion Coating

DESCRIPTION :

ADVAPRIM BITUMEN is an emulsified bitumen cold applied protective coating for concrete, masonry and as primer for bituminous membranes. The coating dries to form a black semi flexible protective film. The finished film forms a tough barrier to water and vapor transmission.

CHARACTERISTICS :

- Resists the attack of salts like chlorides and sulphates present in the soil.
- Water based, Cold applied, Easy to apply.
- Good adhesion to concrete, metal, wood, cork, etc.
- Asbestos free, odourless and can be applied in confined areas.
- It is non-toxic and can be used in contact with potable water.
- Economical, Versatile and Non-flammable.
- Conforms to ASTM D 1227, Type III.

FIELDS OF APPLICATION :

ADVAPRIM BITUMEN is used for providing waterproofing and damproofing for below ground concrete structures which are above the water table. This can also be used as the protective coating for built-up roofing systems and other exposed surfaces. The coating is also used as a moisture vapor barrier on block works and concrete surfaces prior to cladding. This can also be used as a liquid primer for the application of torch applied waterproofing bituminous membranes.

APPLICATION :

The application temperature should be between 4°C to 45°C. Application procedures may vary slightly depending upon site conditions.

Surface Preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. Damaged and uneven concrete must be removed and repaired with a suitable concrete repair mortar.

Priming

Primer is always recommended prior to coating as it not only penetrates into the concrete pores and seals the substrate. It also acts as an adhesion promoter for further coatings. The primer coat can be made at the site by diluting the same bitumen emulsion with 25% water. The primer may be applied by a brush, roller or airless spray. Allow the primer to dry before any further coats are applied.

Application

Stir the contents of the pail thoroughly prior to application to remove any sediment. The application can be done with a roller, brush or airless spray. Apply the coating at a coverage rate of 1-5 m²/ltr/coat, depending on the dry film thickness required. When applied at 5m²/ltr/coat, the dry film thickness achieved will be 100 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.

COVERAGE :

Waterproofing and vapor barrier coatings :
 5 m²/litr/coat will give 100 microns DFT.
 4 m²/litr/coat will give 125 microns DFT.
 2 m²/litr/coat will give 250 microns DFT.
 1 m²/litr/coat will give 500 microns DFT.

TECHNICAL SPECIFICATION :

Form : Liquid.
 Color : Dark Brown to Black
 Density : 1.01
 Solid Contents : 45% to 50%
 Firm Set : 24 hours
 Application Temperature : 5°C to 60°C
 Service Temperature : 5°C to 70°C

PACKAGING :

ADVAPRIM BITUMEN is available in 20 Ltr.

STORAGE & SHELF LIFE :

The pails must be stored in a covered area, away from direct sunlight and other sources of heat. The shelf life is up to 18 months.

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. Seek medical assistance in case of any accident.

