

# CAPCOATE

## NON FIBRATED BITUMEN EMULSION

### DESCRIPTION

**CAPCOAT E** is a non fibrated, emulsified bitumen protective coating, which meets the required properties of a protective coating used for built up roofs and other exposed surface.

### FEATURES

- **CAPCOAT E** is a non fibrated bitumen emulsion specially developed for high temperature services.
- On drying, it forms a firm, flexible and continuous coating with good adhesion to screed, concrete, fiberglass mat etc.
- The filler content prevents the coating from sagging or flowing even at the extreme temperatures, which roofs and other parts of the building reach in summer.

### STANDARDS

**CAPCOAT E** complies with the specifications of ASTM-D 1227.

### APPLICATIONS

- Protective coating for flat, exposed and pitched roofs as well as kitchens, bathrooms and basements.
- Damp-proofing of concrete basements, walls, floors, block work walls etc.
- Protection of concrete foundations, footings, retaining walls etc above and below grade, from soil chemicals.

### ADVANTAGES

- Suitable for use in both dry and damp surface.
- Easy to apply.
- Ready for use; no mixing or heating required.
- Good weather resistance
- Does not embrittle at low temperatures.
- Good resistance to soil acids and salts.

### TYPICAL PROPERTIES

#### Appearance:

Viscous liquid, dark brown in colour, drying to black flexible coating.

#### Wt per liter ,gm

Approx 1000

#### Non volatile content:

Minimum 28 %.

#### Flammability:

No tendency to flash or ignite.

#### Toxicity:

Non-toxic.

#### Chemical and water resistance:

Excellent resistance to water vapour, salt water, dilute acids and alkalis.

#### Service temperature limit:

- 5 to 100°C depending on operating conditions.

#### Heat flow resistance:

The cured film will not sag or flow under service conditions.

#### Shelf life:

Minimum 12 months in sealed original containers, under recommended storage conditions.

### COVERAGE

High built up is possible on account of the thixotropic consistency of the product. Coverage rates vary from 0.5 to 1.0 kg/m<sup>2</sup> depending on the type of surface and built up thickness..

### DIRECTIONS FOR USE

#### Surface Preparation:

- Concrete surfaces must be clean, sound and free from oil, grease, dirt, dust and loose particles. It is desirable to dampen the surface with water if the concrete or block work is very dry.
- It is recommended to use a primer coat of **CAPRIME** to ensure proper bonding of subsequent coat. The primer penetrates concrete surfaces, fills pores, hairline cracks etc. and produces an excellent surface for adhesion of **CAPCOATE**.

### Method of application:

- Thoroughly apply the material as required by brush or trowel into the substrate, make sure the rounded edges are fully coated .
- While the coat is still wet, embed fiber glass mesh into the coat. use the trowel to work the material up and through the mesh until it is completely embedded.
- Allow an overlapping of 50-100 mm wide on each side as well as over up stands.
- Apply the second or subsequent coat to gain required DFT.
- Apply minimum two coats of **CAPCOAT E** with heavily loaded brush or broom. A thick coat can be laid even on vertical surfaces, on account of the thixotropic nature of the product.
- Each coat must be applied at right angles to the previous one to obtain proper coverage and uniformity.
- The first coat must be fully dry before the subsequent coat is applied. Normal drying time is between 1 to 4 hours. In high humid and cold weather conditions this may extend upto 12 hours or more.

### CLEANING TOOLS

- Dip brush in clean water before and during use for ease of application.

- During work break periods place them in water to prevent caking up of the bristles.
- Clean brushes and tools in soap and water immediately after use.

Dried emulsion can be removed with the help of white spirit, petrol, diesel oil etc.

### SAFETY PRECAUTIONS

- **CAPCOAT E** is non-flammable and non-hazardous in normal use.
- When the product is wet, it should be removed from skin by soap and water. But when dry, suitable cleaners like petrol, diesel, etc. should be used.
- Splashes to eyes should be washed immediately with abundant water.
- Avoid contact by careful working and use barrier cream or gloves.

### PACKAGING

**CAPCOAT E** is supplied in 200 Kg drums and in 15 LTR pails.

### STORAGE

- Stored in sealed conventional containers, protected from extreme weather conditions.
- Stir well before use, if stored for a long time.

Rev :02 September 2016

#### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note :** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

As all Ahlia Technical Data Sheets are updated on a regular basis, it is the user responsibility to collect most recent issue.

