

# CAPCOAT SPECIAL

FIBER REINFORCED RUBBERIZED BITUMEN EMULSION

## DESCRIPTION

CAPCOAT SPECIAL is a specially formulated fiber reinforced bituminous protective coating with high rubber content which meets the required properties of protective coating used for roofing and other exposed surfaces .

## FEATURES

- CAPCOAT SPECIAL is a rubberized bitumen emulsion, specially developed for high temperature service.
- On drying, it forms a firm, flexible and seamless waterproofing coating with excellent adhesion to screeds, and concrete surfaces.
- The rubber content provides the necessary flexibility to adjust for minor expansions and contractions resulting from temperature changes as well as the ability to bridge hairline cracks developed by the substrate during the life of the building.

## STANDARDS

CAPCOAT SPECIAL complies with the specifications of ASTM-D1227. type II class 1

## APPLICATION

- Waterproofing of 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, and retaining walls from soil chemicals.
- Protection of buried steel tanks, underground asbestos and metal pipes.

## ADVANTAGES

- The rubber incorporated into the emulsion are specially intended for high temperature resistance and for long life service. The coating can withstand service temperatures as high as 90°C.

- The emulsion is free from fire hazards as it does not contain any flammable solvents.
- Ready to use; one pack system; no heating required.
- Suitable on both dry, and damp surfaces.
- Provides a tough flexible and continuous coating.

## TYPICAL PROPERTIES

### Appearance:

Highly viscous liquid, dark brown in colour, drying to black.

### Weight per liter,gm

About 1000

### Nonvolatile content:

Minimum 50%.

### Flammability:

No tendency to flash or ignite.

### Service temperature limit:

-10° to 120°C depending on operating conditions.

### Heat flow resistance:

Cured film will not sag or flow under service temperature limit.

### Chemical and water resistance:

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

### Shelf life:

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

## COVERAGE

High build up is possible on account of the thixotropic consistency of the product. Coverage rates vary from 0.5 kg per sq. m to 1.0 kg per sq. m depending on build up thickness and other requirements. The built up thickness will be approximately 0.5 mm per square meter per kilogram of CAPCOAT SPECIAL .

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## 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.
- Metal surfaces must be wire brushed to remove loose rust, mill scale etc. Wipe off oil and grease from the surface with a suitable solvent.
- It is recommended to use a primer coat of **CAP-PRIME** at the rate of 0.1 to 0.125 kg per sq. m to ensure proper bonding of subsequent coat.

### 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 or brush 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 upstands.
- Apply the second or subsequent coat to gain required DFT.
- Apply minimum two coats of **CAPCOAT SPECIAL** 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.
- In exposed areas, it is prudent to cover the applied Capcoat special with a protective screed, in order to avoid direct exposure to sunlight. The protective screed will enhance the life of Capcoat special treatment.

- 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 up to 12 hours or more.

## CLEANING OF 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 SPECIAL** 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 cleansers like petrol, diesel oil etc. should be used.
- Splashes to eyes should be washed immediately with abundant water.

## PACKAGING

**CAPCOAT SPECIAL** is supplied in 200 kg drums and 15 kg pails.

## STORAGE

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

### 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.

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