

# CAPSEAL SPECIAL

## RUBBERISED, BITUMEN EMULSION PROTECTIVE COATING

### DESCRIPTION

CAPSEAL SPECIAL is a superior quality bitumen emulsion with minimum 10 % of rubber content.

### FEATURES

CAPSEAL SPECIAL is a high solid content, bitumen emulsion with higher percentage of rubber. The dried film of CAPSEAL SPECIAL is extremely elastic and resilient and forms an efficient waterproof coating withstanding both minimum and maximum ambient temperatures, without cracking running or slumping.

### STANDARDS

CAPSEAL SPECIAL complies with performance requirement of BS 6949 and M.P.W road specification clause 517.03.

**Note:** B.S Code Of Practice 102 to be followed for waterproofing of building against ground water.

### APPLICATIONS

General waterproofing and protective coating which can be used:

- For concrete roofs (as a waterproofing system).
- For concrete columns and beams.
- For superior protection of underground concrete structures against soil acids and salt water. (e.g. foundations, retaining walls, manholes and other similar structures that to be back-filled).
- As protective lining for gutters carrying acids alkalis and similar effluents.
- As a vapour seal.
- As a waterproof adhesive.

### ADVANTAGES

- Good resistance to soil acids and salt solutions.
- Can be applied on dry and damp surfaces.
- Elastic to accommodate small movements.
- Ready for use. No heating required.

- Odorless and non-toxic. Free of health hazards.
- No inflammable solvents, therefore no risk of fire.

### TYPICAL PROPERTIES

#### Appearance:

Dark brown liquid drying to highly elastic black coating.

#### Density:

Approximately 1.1 kg per litre at 25°C.

#### Non volatile content:

Minimum 60%.

#### Flammability:

No tendency to flash or ignite.

#### Toxicity:

Non toxic.

#### Service temperature limits:

Approx. upto 90°C depending on operating conditions.

#### Chemical resistance:

Outstanding resistance to water, salts, dilute acids and alkalis.

#### Heat resistance:

Cured film will not sag or flow up to 90°C.

#### 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 0.3 to 1.0 kg/m<sup>2</sup> per coat depending on type of surface and built up thickness required. The built up thickness will be approximately 0.6 mm per square meter per kilogram of CAPSEAL SPECIAL.

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### DIRECTIONS FOR USE

#### Surface preparation:

All surfaces must be clean, sound and free from oil, grease, dirt, dust and loose particles. If the surface is dusty and very dry, apply a primer coat of CAPRIME, as a penetrative coating. Very dry concrete should be dampened first. Alternatively, CAPSEAL SPECIAL, thinned down with equal amounts of water may also be used as a primer.

#### Method of application:

- Stir well, before use if stored for a long period of time. Apply minimum two coats of CAPSEAL SPECIAL by brush, spray or broom. Apply each coat at right angle to the previous coat.
- When spraying CAPSEAL SPECIAL, it is recommended to dilute it with 10% clean water. If it is applied by brush, all tools must be dipped in clean water before use.
- If desired, blind with clean sharp sand while the final coat is still tacky, as a protection against site traffic and/or to provide a key for top screed.
- The first coat must be fully dry before the second coat is applied. Drying time under normal conditions is between 1 to 4 hours. In conditions of damp and cold weather this may extend upto 12 hours or more.

- Do not apply at temperature below 5 °C (40 ° F).

### 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 bristles.
- Clean brush 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

CAPSEAL SPECIAL is non-flammable. Splashes to eyes should be washed immediately with abundant water. Avoid contact by careful working and use barrier cream or gloves.

### PACKAGING

CAPSEAL 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.

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#### 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.