

# CAP HOTMASTIC

## POLYMER MODIFIED BITUMINOUS MASTIC

### DESCRIPTION

**CAP HOTMASTIC** is a plastomeric, hot-poured bituminous sealant for horizontal joints, formulated for sealing movement and construction joints in concrete pavements and floor slabs. It is made using a selected grade of bitumen, plastomeric polymers, and mineral stabilizers.

### USES

**CAP HOTMASTIC** is ideal for sealing joints and cracks in horizontal concrete and masonry surfaces. It is equally suitable to use as a sealant on bitumen pavements such as parking areas, garages, streets and runways.

### FEATURES

- Can withstand thermal and normal structural movements without developing cracks.
- Rapid setting. Surface can be put in use without delay.
- Durable.
- Extremely water resistant.

### TYPICAL PROPERTIES

#### Form:

Plastic solid

#### Solid content:

≥ 99%

#### Density:

1.0 kg/ltr approx.

#### Color:

Black

#### Application conditions

Above 5°C

#### Pouring temperature range:

160-180°C

#### Penetration at 25°C dmm:

Max 30

#### Softening point:

Min. 140°C.

#### Resistance to mild alkali/acids:

Good

#### Resistance to solvent/jet fuel:

Poor

### DIRECTIONS FOR USE

#### Surface Preparation

Ensure that the joint surfaces are completely dry, clean and frost free. Remove all dirt, dust, laitance and loose materials preferably by grit blasting or by rigorous wire brushing. Prior to priming blow out all remaining loose dust with dry oil free compressed air.

#### Priming

Use **CAPSOLVENT** as primer on concrete, stone and brick paving. Allow primer to become touch dry before sealing.

#### Method of application

Heat **CAP-HOTMASTIC** to about 160-180°C, by using a heating vessel with an oil jacket and fitted with stirrer and thermometer. Do not overheat the material. Joint should be filled to the surface of the concrete or to the level specified. Joint seals in carriage ways are normally finished in 3mm to 6mm depression to avoid extrusion. A concave finish due to shrinkage is normal, but in a deep or narrow joint, the compound may be poured in two layers to produce a uniform finish.

**Note :** **CAP-HOTMASTIC** is not fuel oil resistant and should not be used in air fields, cargo handling areas, garage forecourts or other paved areas subject to oil and fuel spillage.

#### Joint size

**CAP-HOTMASTIC** is suitable for joints up to 30mm wide in traffic surface, but joints up to 50mm wide can be sealed with **CAP-HOTMASTIC** where joints are horizontal and are not subject to traffick. The depth of joint sealing compound should not exceed 50mm and for most normal use, 25mm is recommended.

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### COVERAGE

CAP HOTMASTIC will approximately fill the joints of following linear meters, according to joint dimensions.

Joint width mm	Joint depth mm	Kg/m run	Length filled per kg; m
10	5.0	0.050	20.00
15	7.5	0.112	8.90
20	10.0	0.200	5.00
25	12.5	0.312	3.20
30	15.0	0.450	2.22
35	17.5	0.612	1.63
40	20.0	0.800	1.25
50	25.0	1.250	0.80

### PACKAGING

CAP HOTMASTIC is supplied in 180 Kg drums and in 15 Kg pails.

### STORAGE

Stored in sealed conventional containers, protected from extreme weather conditions

### SHELF LIFE

Unlimited in closed containers

### CLEANING OF TOOLS

All tools and equipment should be cleaned using a suitable petroleum based solvent.

### SAFETY PRECAUTIONS

Do not overheat CAP HOTMASTIC in a confined space as concentrated fumes may be injurious. Avoid breathing vapor and skin contact. Do not exceed the safe heating temperature (180°C). It is advisable to use goggles and gloves while using CAP HOTMASTIC.

### 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.