

CAP HOTMASTIC

POLYMER MODIFIED BITUMINOUS MASTIC

DESCRIPTION

CAP HOTMASTIC is a elastomeric hot poured bituminous horizontal joint sealant, formulated for sealing movements and construction joints in concrete pavement and floor slab. CAP HOTMASTIC is formulated with bitumen of selected grade, elastomeric polymer 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^oC

Pouring temperature range:

160-180^oC

Penetration at 25^oC; dmm:

Max 30

Softening point:

Min. 140^oC.

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 CAP SOLVENT 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^oC, 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 trafficking. 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

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.

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.

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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.

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