



BAUMASTIC BM

Bitumen Rubber Mastic Sealant

DESCRIPTION

BAUMASTIC BM is a single component, solvent based bitumen rubber mastic joint sealant. The sealant on curing forms a tough and flexible seal.

BAUMASTIC BM is a blend of rubber and high quality bitumen carried in a hydrocarbon solvent to improve the application properties. Black in color and exhibiting a non slump consistency it cures by solvent release, to form a tough flexible waterproof sealant. It has excellent adhesion to concrete, brickwork, asphalt and most construction material substrates. The mastic sealant is modified with non asbestos fibres to make the sealant thixotropic and slump free when applied on vertical areas

TYPICAL USES

BAUMASTIC BM is ideally suited for sealing and filling gaps and joints on roofs, pointing horizontal chases for waterproofing membranes and felts. Sealing around roof/wet service pipes. Pointing between brickwork and roof flashings. Sealing cracks in asphalt and concrete pavements. Filling horizontal joints in concrete and asphalt where movements are not expected.

ADVANTAGES

- Flexible joint sealant
- Stability at high ambient temperatures

- Excellent adhesion, strong durable bond
- Single component.

TECHNICAL PROPERTIES

(The properties shown below were obtained under laboratory conditions).

Color	BLACK
Solid Content	>80%
Consistency	Thixotropic Paste
Density g/cc	1.1 ± 0.05
Application Life	>60 minutes
Slump	Nil
MAF	±10
Initial Cure	24-48 hours
Full Cure	14 – 21 days
Chemical resistance	Sea water, Chlorides & sulphate ions
Cure rate	1 mm per day
Application temperature, [°C]	5 to 45 deg C
Service temperature, [°C] -20 to 70 deg C	0 TO 70 deg C

APPLICATION INSTRUCTION

SURFACE PREPARATION

Surface must be free from all dirt, dust and loose material. Any oil and grease contamination must be removed completely. The surface must be made dry prior to the application of the sealant.

MASKING

Prior to application of primer and sealant, apply masking tape to the adjacent sides of the joints for getting a neat finish and to avoid the spilling over of the sealant on the edge.

PRIMING

Under normal circumstances priming is not required. However, for very dry and porous surfaces, it is recommended to apply one coat of a solvent based bitumen primer (BAUPRIME SB)*. Similarly for joints subjected to continuous immersion, priming is recommended.

MIXING

As the product is solvated, it is recommended to mix the contents of the pail with a paddle mixer for a few minutes prior to the application to ensure a homogenous mix

APPLICATION

The BAUMASTIC BM can be applied by means of a spatula or trowel. Sealant application should start from the bottom of the joint/groove and continued to the top. Immediately tool the joint with the spatula or putty knife to smoothen and compress the sealant to effect total contact with joint surfaces. The putty knife shall be moistened with a cleaning solvent to prevent the sealant to adhere to the knife and ensuring a smooth and neat finish.

Where masking tape has been employed to keep building surfaces clean, it is advisable to remove them at the moment the sealant filling is completed.

CURING TIME

The sealant cures on solvent release. The initial surface skinning will occur within 24-48

hour, however full cure depends on relative humidity.

A 10mm depth of seal will typically cure within 14- 21 days @23°C @50% RH Joint designs

COVERAGE

(Please refer to ESTIMATION IN PRODUCT TDS)

PACKAGING: 20 Kilogram Pails

STORAGE

Store under cover, out of direct sunlight, clear of the ground on pallets and protect from extreme temperatures. In tropical climate the product must be stored in air conditioned environment (<25°C).

Shelf life is 12 months when stored as above.

PRECAUTIONS

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately.

BAUMASTIC BM contains petroleum distillate, is flammable. Keep away from fire, sparks or other source of ignition

There are no known health hazards associated with BAUMASTIC BM

Clean all the tools with any solvent. Hardened materials can be removed mechanically only. Allow the waste to cure. Seal it into a suitable container and bury in landfill as per the local regulations.

ESTIMATION

COVERAGE: Length of joints in meters filled per 1 Kilogram of BAUMASTIC BM

Depth (mm)	Width (mm)							
	6	10	12	15	20	25	30	40
6	27.7	16.6	14	11	8.3	6.8		
8		12.5	10.4	8.3	6.6	5.0	4.1	
10		10.0	8.3	6.6	5.0	4	3.3	2.5
12			6.9	5.5	4.1	3.3	2.7	2.0
15				4.4	3.3	2.6	2.2	1.6
20					2.5	2.0	1.6	1.3

NOTE: Calculation based on theoretical coverage. Actual material consumption at site will vary depending on the wastage

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