

# Bitumastic

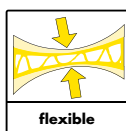
## Bitumen rubber mastic sealant

Flexible joint sealant for filling gaps of pipes / roof flashing and termination of waterproofing membranes.



### CHARACTERISTICS

- ▶ Flexible joint sealant
- ▶ Stability at high ambient temperatures
- ▶ Excellent adhesion, strong durable bond
- ▶ Single component



### DESCRIPTION

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

### FIELDS OF APPLICATION

Bitumastic 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.

### COMPOSITION

Bitumastic 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 seal.

### APPLICATION INSTRUCTIONS

#### 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 edges.

#### 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 (Polyprime SB)\*. Similarly for joints subjected to continuous immersion, priming is recommended.

#### Application

The sealant can be applied by means of a spatula or trowel. As the product is solvented, 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. 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.

## CLEANING

Tools and equipment should be cleaned immediately after use with a cleaning solvent. Hardened materials can be cleaned mechanically only.

## STORAGE & SHELF LIFE

The pails and drums must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures. The shelf life of the product is up to 12 months if stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

## HEALTH & SAFETY

Bitumastic contains petroleum distillate, is flammable. Keep away from fire, sparks or other source of ignition. Wear protective clothing, rubber gloves, mask and safety goggles.

1. Fire - flammable when wet.
2. Skin - avoid repeated or prolonged contact. Remove bitumen stains with a suitable cleaner that is able to remove oil or grease and then clean with soap and water.
3. Eyes - contact could cause irritation. Flush with copious amount of clean water.
4. Inhalation - can cause dizziness. If difficulty in breathing persists, administer oxygen.

## ESTIMATION

Theoretical coverage: linear meter per kg of sealant

		Joint Width(mm)							
		6	10	12	15	20	25	30	40
Joint depth (mm)	6	27.7	16.6	14	11	8.3	6.6		
	8		12.5	10.4	8.3	6.2	5	4.1	
	10		10	8.3	6.6	5	4	3.3	2.5
	12			6.9	5.5	4.1	3.3	2.7	2
	15				4.4	3.3	2.6	2.2	1.6
	20					2.5	2	1.6	1.3

## SUPPLY

Bitumastic	20kg pail
Polyprime SB	20L pail & 200L drum

\*Refer to website for TDS

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Color	Black	-
Form	Paste	-
Solid content, [%]	>80	ASTM D 2939
Slump	Nil	-
Density, [g/cc]	1.1 ± 0.05	ASTM D 1475
Initial set @ standard condition, [hours]	24 -48	
Full cure @ standard condition, [days]	14-21 days (10mm)	
Chemical resistance	Sea water, chlorides and sulphate ions.	ASTM D 543
Service temperature, [°C]	0 to 80	
Application temperature, [°C]	5 to 40	

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

