

Bitumastic



TO SEAL & PROTECT

Technical Data Sheet

DESCRIPTION

Bitumastic is a single component, ready to use, spatula or gun applied non slump sealant. Based on polymer modified bitumen carried in a hydrocarbon solvent. It cures to form a seal, with excellent adhesion to concrete, brickwork, asphalt and most construction materials.

USES

Bitumastic is ideally suited for sealing and filling gaps 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

- ▶ Good expansion and contraction properties.
- ▶ Good mechanical properties.
- ▶ Pliable and flexible.
- ▶ Stability at high ambient temperatures.
- ▶ Excellent adhesion, strong durable bond.
- ▶ Economical.
- ▶ Single component; does not require mixing, thereby saves time.
- ▶ Oxidation resistant and durable.

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.

TYPICAL PROPERTIES

Service temperature	+ 50 °C to + 70°C
Application temperature	+ 10°C to 55°C
Specific gravity	1.05 at 25°C
Solid content	> 70%
Flash point	+ 65°C
Slump	Nil
Initial set at 35°C	24 -48 hours
Full cure at 350°C	14-21 days (10mm)
Movement	Up to 7% of the total.

PACKAGING

20 kg pails.

DIRECTIONS FOR USE

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 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 dusty surfaces, it is advisable to apply one coat of Polyprime SB. Similarly for joints subject to continuous immersion, priming is recommended.

Application

By means of spatula or trowel, remove contents of the can and apply from bottom up. Ensure sealant fills the entire volume of the joint. Immediately tool the joint with the spatula or trowel to effect total contact with joint surfaces. After application smoothen and compress the sealant into the joint by using a spatula or putty knife moistened with a cleaning solvent. Where masking tape has been applied to keep building surfaces clean, it is advisable to remove it the moment the sealing is completed.

CURING TIME

The sealant cures on solvent release. The initial 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 @25_C @50% RH

CLEANING

Tools and equipment should be cleaned immediately after use with a cleaning solvent.

ESTIMATION

- A. Joint Depth should not exceed joint width
- B. Minimum Joint widths - 6 mm
- C. Maximum joint widths - 40 mm.

Joint Width (mm)		6	10	12	15	20	25	30	40
Joint Depth (mm)	6	27.7	16.6	13.8	11.1	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	2.05
	15				4.4	3.3	2.6	2.2	1.6
	20					2.5	2	1.6	1.25

Coverage in linear meter per kg. of **Bitumastic**

STORAGE

Store in a dry and shaded area. The shelf life is 12 months in sealed undamaged containers when stored as per the manufacturer's instructions.

HEALTH & SAFETY

Contains petroleum distillate, flammable, keep away from fire, sparks or other source of ignition. Wear protective clothing, gloves and goggles.

1. Fire - Flammable when wet.
2. Skin - Avoid repeated or prolonged contact. Remove with hand cleaner that is able to remove oil or grease, and then clean with soap and water.
3. Eyes - Contact could cause irritation. If contact occurs, flush with clean water.
4. Inhalation - Can cause dizziness. If difficulty in breathing persists, administer oxygen.