

# Product Data Sheet

## BITUMSEAL® Sealant

### **High performance SBS bituminous adhesive and sealant, ideal for all roof waterproofing works**

Bitumseal is an elastomeric bitumen adhesive suitable for bitumen waterproofing membranes and for watertight sealing of joints. It adheres to a wide range of construction materials and surfaces likely to be present in a waterproofing project – concrete, cement, stone, brick, lead, aluminium, steel, sheet metal, copper, timber, bitumen, asphalt, existing paint or bonded plastic details, plasticizer free plastics, rigid or flexible PVC. It is thixotropic, does not run and can be applied with the tube positioned horizontally or vertically. It can be used under water and on moist surfaces which makes it an extremely versatile product on site.

Bitumseal dries to form a shiny, black layer. It remains flexible and has excellent UV and ageing resistance characteristics.

### **Key advantages**

- Can be used under water and for emergency repairs in rainy conditions.
- Bonds bitumen membranes to concrete, zinc, timber, aluminium, steel
- Adheres to many construction materials\*
- Can be used in temperatures from 5°C to 35°C

Bitumseal is particularly suitable for sealing structural cracks prior to the installation of waterproofing and for sealing cracks in bituminous materials, asphalt, etc.

Other uses:

### Adhesive

- local bonding of bitumen membranes or of pieces added to areas that are difficult to access
- detailing on flame-sensitive materials
- thermal insulation
- various applications on bitumen membranes (tiles on asphalt or membranes for example)

### Waterproofing Sealant

- joints
- joints between waterproofing membranes and accessories found on flat and low sloping roofs – such as masonry, rooflights, various penetrations, fixing plates, chimneys, ventilation, etc  
Note: it should only be used over joints with no mechanical constraints
- finishing welded laps or upstands

Bitumseal can be used for the temporary repair of channels and gutters and to re-stick loose material.

It is also used to complete flashings of all types and their reinforcement.

\* there are exceptions – contact Axter Ltd for details.

### Packaging

310 ml tubes (box of 25)

10 kg drums

### Storage

Can be stored for a period of up to 12 months in a cool, dry location (5 – 25°C) if unopened in the original packaging.

## Product characteristics

CHARACTERISTICS	
Colour	Black
Consistency	Thick paste
Density	1.3gm/cm <sup>3</sup> at 20°C
Solid matter	89%
Flashpoint	36°C
Usage temperature	5°C to 35°C
Life temperature	-30°C to 90°C

## Installation

Suitable for use at temperatures between 5°C and 35°C.

Bitumseal is applied directly on to a cold, clean surface free from dirt and grease.

Strings of Bitumseal are applied with a manual or pneumatic applicator and smoothed over with a spatula.

Bitumseal can be applied over moist surfaces, under water and in rain. In these situations, remove as much water as possible with the plastic nozzle of the applicator which must be in direct contact with the surface to be treated before applying the mastic (a trial is recommended prior to application).

Use of a backer rod is recommended in the joint when possible to allow Bitumseal to form the best seal.

COVERAGE	
When used as an adhesive	310 ml per m <sup>2</sup>
When used as a sealant	310 ml for 10m (0.5 cm x 0.5 cm)

Bitumseal dries without shrinking and forms a smooth, flexible skin. Full adhesion is reached when fully dry and the bond depends on the nature of the surface and the sealing method. Immediately after application the glue will have sufficient adhesive power to handle small loads.

DRYING TIMES	
Dry to touch	2 hours
Thorough drying	1 day to 4 weeks

Note: these times may vary depending on atmospheric conditions, thickness of the applied layer and the porosity of the materials.

### **IMPORTANT:**

Bitumseal must not be in contact with mineral oils (causes product to soften).

Bitumseal cannot be painted.

Clean tools with white spirit.

Read the instructions on the packaging carefully. A Material Safety Data Sheet (MSDS) is available from Axter Ltd.

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