



# BOSCOSEAL 16

## SELF ADHESIVE SHEET WATERPROOFING MEMBRANE

### KEY FEATURES

- Self adhesive
- Self sealing
- Self sealing edge for overlaps
- Fully bonded
- Repaired easily
- Bonds to most substrates
- No seaming tape needed

### DESCRIPTION

Boscoseal 16 waterproofing membrane is a self adhesive, self sealing layer of rubberized bitumen protected by a film of polyethylene. An overlap seam down each edge ensures complete sealing of overlap seams.

Boscoseal 16 waterproofing membrane is composed of a uniform of rubber modified bitumen bonded to a polyethylene film. The physical properties will remain stable over time even under sever weather conditions. The adhesive side is protected by removable release paper.

### RECOMMENDED USES

Boscoseal 16 waterproofing membrane is designed for use as a water and vapor barrier in all unexposed waterproofing applications.

- Terraces
- Plazas
- Bridge construction as a sandwiched membrane
- Vertical foundation walls
- Tunnels
- Subways
- Planter boxes
- Pipe wrapping

### SUBSTRATE PREPARATION

All substrates shall be sound, clean and free of dust, excess mortar, oil or other loose particles. Concrete must be given a minimum of 28 days cure. New concrete shall be finished with a light trowel finished or broom finished.

### APPLICATION INSTRUCTION

#### PRIMING

Prime substrate with Bostik bitumen primer at the rate of 5m<sup>2</sup> per liter depend on substrate condition, prior to Boscoseal 16 application.

### PERFORMANCE PROPERTIES

PROPERTY	VALUE	TEST METHOD
Thickness	1.5mm	UNI 8202
Tensile Strength - Long	4.35N/mm	ASTM D 638
Tensile Strength - Transverse	5.69N/mm	ASTM D 638
Tensile Strength - Long	3.30N/mm	ASTM D 412
Tensile Strength - Transverse	4.46N/mm	ASTM D 412
Elongation - Long	251N/50mm/ 370%	DIN 52123 with 10=100mm
Elongation - Transverse	271N/50mm/ 210%	DIN 52123 with 10=100mm
Elongation	>500%	ASTM D 412 Modified
Tear Resistance - Long	71N	DIN 53363
Tear Resistance - Transverse	88N	DIN 53363
Tear Resistance - Long	92N	UEAtc- ≥ 50N
Tear Resistance - Transverse	102N	UEAtc- ≥ 50N
Adhesion to primed concrete	4.9N/mm	ASTM D 1000

### MIXING

No mixing is required. Simply use off the roll supplied.

### PLACING

Membrane shall be laid from the low point to the high point.

The release paper should be removed from the underside of the membrane when it is placed in its final position.

All rows and exposed edges at overlaps and penetrations should be protected with a bead of bituminous mastic.

All laps must be rolled using a heavy metal roller to ensure full lap adhesion.

For further information, refer to Bostik installation sheet provided upon request.

## MEMBRANE PROTECTION

Boscoseal 16 waterproofing membrane must be protected within 5 days of installation from the damages which may be caused by backfilling steel reinforcing, trade traffic, construction equipment and materials.

A protective board such as water resistant particle boards, plywood, fibre-cement board or any other proprietary protective board must be used. The protective board should be adhered with Bostik 5326 Protective Board Tape.

Weather resistant flashing must be used to cover any portion of membrane left exposed, such as in upstands, parapets and top of foundation walls.

The membrane must be thoroughly inspected to ensure there are no punctures or tears.

All leaks should be marked and repaired when the membrane is clean and dried.

All damages must be repaired with a patch of Boscoseal 16 with a minimum overlap of 75mm from edges.

## RECOMMENDED COVERAGE

ESTIMATING GUIDELINE	
PRODUCT	ALLOWANCE
Boscoseal 16	10% for overlaps and passes 5% for normal detailing
Bostik 9222 Primer	4 liters per roll (5m <sup>2</sup> /liter)
Bostik 1313 Mastic	<b>Horizontal :</b> 1 liter for every 3 rolls <b>Vertical :</b> 1 liter for every 2 rolls Extra for penetration
Bostik 5326 P.B.Tape	1 metre per square metre

## PRECAUTION

- Not compatible with tar, tar PU's or polysulphides.
- Should not be applied onto damp or wet substances.
- Should not be applied to uncured concrete.
- Should not be applied when temperatures below 5°C or above 35°C.
- Roll or cut sections should not be left exposed to sun or rain, as it may result in difficulties in removing the release paper.
- Not designed for exposed applications. It must be protected with either flashing or topping as the case may require.

## PACKAGING

Boscoseal 16 is available in roll size of 1.5mm (thick) x 1 metre (width) x 20 metre (Length). Colour in black.

## CLEAN UP

For general cleaning use Bostik 9907 cleaner. Do not use solvents on skin. For removal on skin use Bostik Handclean Towels.

## STORAGE AND SHELF LIFE

All materials shall be stored under cover in a manner that will prevent damage, preferably on pallets in an

upright position and protected from excessive heat and moisture. When stored at or below 25°C Boscoseal 16 has a shelf life of 12 months.

## FIRE

Boscoseal 16 is non-flammable product.

## HEALTH AND SAFETY

Gloves and protective goggles must be worn during application and use.

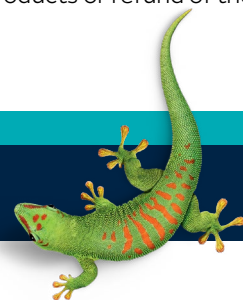
- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do not induce vomiting. Give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor.
- For more detailed information refer to Material Safety Data Sheet.

## LIMITED WARRANTY

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.

## BOSTIK HOTLINE

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