



Boscoseal 16

SELF-ADHESIVE RUBBERIZED BITUMEN WATERPROOFING SHEET MEMBRANE

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 is composed of a uniform of rubber-modified bitumen bonded to a polyethylene film. The physical properties will remain stable over time and under severe weather conditions. Adhesive side is protected by removable release paper.

FEATURES AND BENEFITS

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

RECOMMENDED USES

Waterproofing protection for:

- Boscoseal 16 is designed for use as a water and vapor barrier in all unexposed waterproofing applications.
- Concrete/timber waterproofing for:
 - Terraces
 - Plazas
 - Bridge construction as a sandwiched membrane
 - Vertical foundation walls
 - Tunnels
 - Subways
 - Planter Boxes

APPLICATION

The release paper should be removed from the underside of the membrane as 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 (Bostik 1313 mastic). For further information refer to installation sheet supplied upon request. All laps must be rolled using a heavy metal roller to ensure full lap adhesion.



MIXING

No mixing required. Simple use off the roll supplied will suffice.

Surface Preparation

All surfaces should be clean, dry, and free of loose particles, dust, oil or any other contaminants. Concrete must be given a minimum of 28 days cure.

PRIMING

On completion of surface preparation, the substrate should be primed with suitable primer (Boscoprime 2).

PROTECTION

Boscoseal 16 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 particleboards, plywood fiber-cement 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 up stands, parapets and top foundation walls.

The membrane must be thoroughly inspected to ensure there are no punctures or tears. All leaks should be marked and the membrane repaired when the membrane is clean and dried. Any damage must be required with a patch of Boscoseal 16 with a minimum overlap of 75mm from any edge.

CLEAN UP

For general cleaning use Bostik 9907 Cleaner. Do not use solvents on skin.

For removal on skin use Bostik Handy-Clean Towels.

PACKGING

Boscoseal 16 is available in 1.6mm thick x 1m wide x 20m length rolls and in black colour.

COVERAGE

Estimating Guidelines

PRODUCT	ALLOWANCE
Boscoseal 16	10% for overlaps and passes 4% for normal detailing
Bostik 9222 Primer	4 liters per roll 5M ² /L
Bostik 1313 Mastik	1 liter for every 3 rolls horizontal 1 liter for every 2 rolls vertical Extra for penetration
Bostik 5326 P.B. Tap	1 m per m ²

TYPICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
Compound Thickness	1.5 mm	UNI8202
Protective Film Thickness	0.1 mm	UNI8202
Total Thickness	1.6 mm	UNI8202
Weight	1.6 m kg	UNI8202
Tensile Strength Long	4.35 N/mm	ASTM D 638
Tensile Strength Trans.	5.69 N/mm	ASTM D 638
Tensile Strength Long	3.30 N/mm ²	ASTM D 412
Tensile Strength Trans.	4.45 N/mm ²	ASTM D 412
Elongation Long.	251 N/50mm /210 %	DIN 52123 with 10 = 100mm

Elongation Trans.	271 N/50mm /210%	DIN 52123 with 10 = 100mm
Elongation	>500%	ASTM D 412 modified
Tear Strength Long	71N	DIN 53363
Tear Resistance Trans.	88N	DIN 53363
Tear Resistance Long.	92N	UEAtc-≥50 N
Tear Resistance Trans.	102N	UEAtc-≥50 N
Adhesion to primed concrete	4.9 N/mm	ASTM D 1000
Adhesion to Steel	5.8 N/mm	ASTM D 1000
Puncture Resistance	281.5N	ASTM 154
Vapor Transmission Rate	0.07 g/m ² /hr	ASTM E96
Cold Flexibility	≤ -40°C	DIN 52123
Softening Point	98°C	DIN 52011

PRECAUTION

- Not compatible with tar, tar PU's or polysulphides
- Should not be applied onto damp or wet substrates
- 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.

STORAGE

When stored at or below 27°C Bostik Boscoseal has a shelf life of 12 months from date of shipment from Bostik's warehouse. 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.

HEALTH AND SAFETY

- On contact. Uncured sealant causes irritation. Gloves and protective goggles must be worn during application and use.
- Avoid contact with skin, eyes and avoid breathing in vapor.
- Wear protective gloves when mixing or using.
- If positioning occurs, contact a doctor.
- 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.

FIRE

Boscoseal 16 is non-flammable and poses no fire risk.

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

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