

EUROSEAL 8000GB

Self-Adhesive, Gas Barrier Membrane

Data Sheet
No.302

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EUROSEAL 8000GB MEMBRANE IS A SELF ADHESIVE POLYMER BITUMEN WATERPROOFING MEMBRANE LAMINATED WITH A ALUMINIUM FILM TO REDUCE GAS PERMEABILITY

Use in conjunction with Eurobond Primer, Euroseal Protection boards and radon sumps. Designed to resist the passage of Methane, Radon and Co2 gases.

1. APPLICATIONS

- Ground Floors
- Basements
- Retaining Walls
- Tunnels
- Roofs
- Reservoirs.

2. COST BENEFITS

- Factory controlled thickness.
- Rapid & simple application. No drying time.
- Good mechanical properties. Resists site damage.

3. GUARANTEED DURABILITY

Euroseal 8000GB membrane is satisfactory for use in accordance with the relevant clauses of CP 102:1973 section 2 or BS 8102:1990 as waterproof/damp proof membranes, when fully supported and protected.

The products are impervious to water, and when subjected to normal service conditions, will provide an effective barrier to the transmission of gases, liquid water and water vapour for the life of the structure in which it is incorporated.

4. TYPICAL PHYSICAL & PERFORMANCE DATA

Form	Self Adhesive Sheet
Gas Resistant Film	Aluminium
Film Thickness	0.125mm
Total Thickness	1.00mm
Roll Size	1m x 20m
Roll Weight	36Kg
Methane/CO2 Gas Permeability	<0.03ml/m ² /day/atoms.
Water Vapour Transmission ASTM E96	<0.10g /m ² /24 hours
Water Absorption ASTM D570	0.09%
Tensile Strength ASTM D412	L = 50N/mm. T = 69N/mm
Elongation ASTM D412	L = 352%. T= 288%
Compound Elongation ASTM D412	>2000%
Adhesive Strength to Self ASTM D100	5.2N/mm ²
Adhesive Strength to Primed Concrete ASTM D100	4.9N/mm ²
Cold Flexibility	-15° centigrade
Hydrostatic Pressure DIN 16935	No Leakage
Puncture Resistance ASTM E154	262N
Tear Resistance DIN 53363	L = 71N. T = 88N

5. INSTALLATION

Substrates

- New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material which could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.
- Existing concrete, screed or render should be free from defects.
- Brickwork, blockwork and masonry should be flush pointed.
- All substrates should be dry.
- Vertical surfaces should be primed using Eurobond primer and allowed to dry.

Application

The products can be installed in all normal site conditions, ensuring that air temperature is greater than 5°C. The release paper is removed. As the sheet is laid, press the membrane from the centre outwards, to avoid entrapped air. Use a hard roller to obtain overlaps. Side laps should be a minimum of 50 mm at sheet edges and a maximum of 100 mm at end laps.

Protection

The membrane must always be protected by a layer of concrete, a screed of 50 mm minimum thickness, or by brickwork or blockwork. Alternatively, the membrane should be protected prior to backfilling by a thickness of EP Protection Board. Backfilling should take place immediately after application to prevent any membrane movement. Care should be taken to avoid membrane damage during these operations.

Internal Tanking

When subjected to negative water pressure, the membrane should be internally loaded by erecting a single skin of brickwork or blockwork with a minimum 20 mm cavity. The cavity should be filled using an approved non shrink grout as construction proceeds.