

# POLYROOF SA VAPOUR BARRIER

## TECHNICAL DATA SHEET

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### Introduction

Polyroof SA-Vapour Barrier is a high-performance self-adhesive vapour barrier. The product comprises a self-adhesive bituminous compound with a composite aluminium foil and integral glass-fibre mat. It has a high vapour resistance necessary for humid applications, such as swimming pools, shower rooms, bathrooms, kitchens, and wet industrial processes.

Quick installation and the ability to waterproof a roof structure prior to the installation of the insulation and main waterproofing system is a significant advantage. The high integral strength of the product provides excellent resistance to puncture and foot traffic. The Vapour Barrier is cold-applied and thus avoids the risks associated with hot works or naked flames; it is suitable for use on all common roof constructions including concrete, timber and structural metal roof decks.

### Key Features

- High performance vapour barrier
- Suitable for high humidity conditions
- Self-adhesive and waterproof
- Cold applied without use of flames
- Excellent strength and tear and puncture resistance
- Fast Installation

### Product Information



Code	Item	Pack Size	Approx. Pack Coverage
107116	Polyroof SA Vapour Barrier	43.2 m <sup>2</sup>	40.0 m <sup>2</sup> (allowing for laps)

Dimensions: 40m x 1.08m      Thickness: 0.6 mm

Overall Size of Roll: 43.2m<sup>2</sup> (Practical area 40m<sup>2</sup> allowing for laps)

NB: 25 rolls per pallet.

### Technical Data

Characteristic	Value
Thickness	0.6mm
Tensile Strength	Long.>850 N/50mm   Trans.>850 N/50mm
Elongation at Break	Long.>8.5%   Trans.> 8.5%
Static Load Resistance	Met.A15Kg   Met.B20Kg
Tear Resistance	Long.70N   Trans.70N

Peel Resistance of Joints	35N / 50mm
Impermeability	≥ 60Kpa
Water Vapour Resistance	>4,500 MNs/g
Vapour Transmission Rate	Sd ≥ 1500m
Application Temperature	+5°C / +45°C
Service Temperature	-40°C / +80°C

### Typical Applications

- Concrete, timber and structural metal roof decks
- New build or refurbishment
- Adhesively bonded or mechanically fixed specifications

### Preparation and Installation

All surfaces must be dry, clean, smooth and free from contaminants. Apply a coat of Polyroof SA Primer (roller or spray applied) as per manufacturer's instructions and allow to cure.

Ensure temperature and surfaces are within the application temperature guidelines.

Rolls should be installed from the lowest point working up the roof ensuring overlaps do not create counter-gradient overlaps. On structural metal roof decks ensure that the rolls run parallel to the metal decking and ensure side laps are fully supported on the crowns. The membrane must be overlapped at side laps by 60mm-80mm and on end laps by at least 150mm. Once aligned, remove the backing film and, press the membrane firmly by hand, heavy broom or roller taking care to avoid air pockets.

**Important:** Polyroof SA VCL once installed may be used to form a short-term seal during construction.

However, it features an outer polyester film that is not designed to be exposed directly to the sun for prolonged periods. The installation of the roofing insulation and main waterproofing should take place as soon as possible and must be installed within a maximum 4-5 week timeframe.

### Storage and Handling

**Storage:** Rolls should be stored vertically, protected from moisture and from extremes of temperature (min +5°C and max +40°C). The product should be used within 12 months.

### Health and Safety

Safety Data Sheets available on request.

### Technical Assistance

For further information, please contact Polyroof Technical Services on 0800 801 890. More information can also be found at [www.polyroof.co.uk](http://www.polyroof.co.uk).