

POLYROOF SA FOIL-FACED CARRIER LAYER

TECHNICAL DATA SHEET

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Introduction

Polyroof SA Foil-Faced Carrier Layer is a high performance self-adhesive membrane that can be used as a carrier layer with the Protec range of products. Equally suitable as a vapour barrier, the product comprises a self-adhesive bituminous compound with a composite aluminium foil and integral glass-fibre mat. It has a very high vapour resistance enabling it to be used for high humidity applications such as swimming pools, shower rooms, bathrooms, kitchens and wet industrial processes.

The high integral strength of the product provides excellent resistance to puncture and site foot traffic. Cold applied without 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

- Can be used as a carrier layer with the Polyroof Protec Range where it can be coated without the requirement for a primer
- High performance vapour barrier where it is suitable for high humidity conditions
- Self-adhesive and waterproof
- Cold applied without use of flames
- Excellent strength, tear and puncture resistance
- Fast Installation

Product Information



Code	Item	Pack Size	Approx. Coverage
10713 4	Polyroof SA Foil-Faced Carrier Layer	43.2 m ²	40.0m ² (Lap allowance)

Dimensions: 40m x 1.08m

Thickness: 0.6 mm

Overall Size of Roll: 43.2m² (Practical area 40m² allowing for laps)

NB: 25 rolls per pallet

Polyroof SA Foil-Faced Carrier Layer requires Polyroof SA Primer.

Technical Data

Characteristic	Value
Thickness	0.6mm
Tensile Strength	Long.>800 N/50mm Trans.>800 N/50mm
Elongation at Break	Long.>5% Trans.> 5%

Tear Resistance	Long.70N Trans.70N
Peel Resistance of Joints	40N / 50mm
Shear Resistance of Joints	Long.400N/50 mm Trans.400N/50mm
Impermeability	≥ 60Kpa
Water Vapour Impermeability	Pass (Sd ≥ 1500 m)
Application Temperature	+5°C / +45°C
Service Temperature	-40°C / +80°C

Application

Typical Applications

- A carrier layer of Polyroof Tissue-Therm Insulation, timber decks or other surfaces.
- An air and vapour barrier for 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 are do not create counter-gradient overlaps. On structural metal roof decks ensure that the rolls run parallel to the metal decking and ensue 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 Foil-Faced Carrier Layer 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.