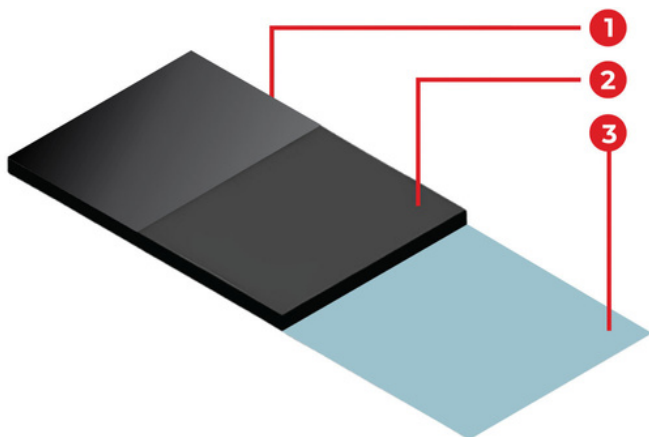
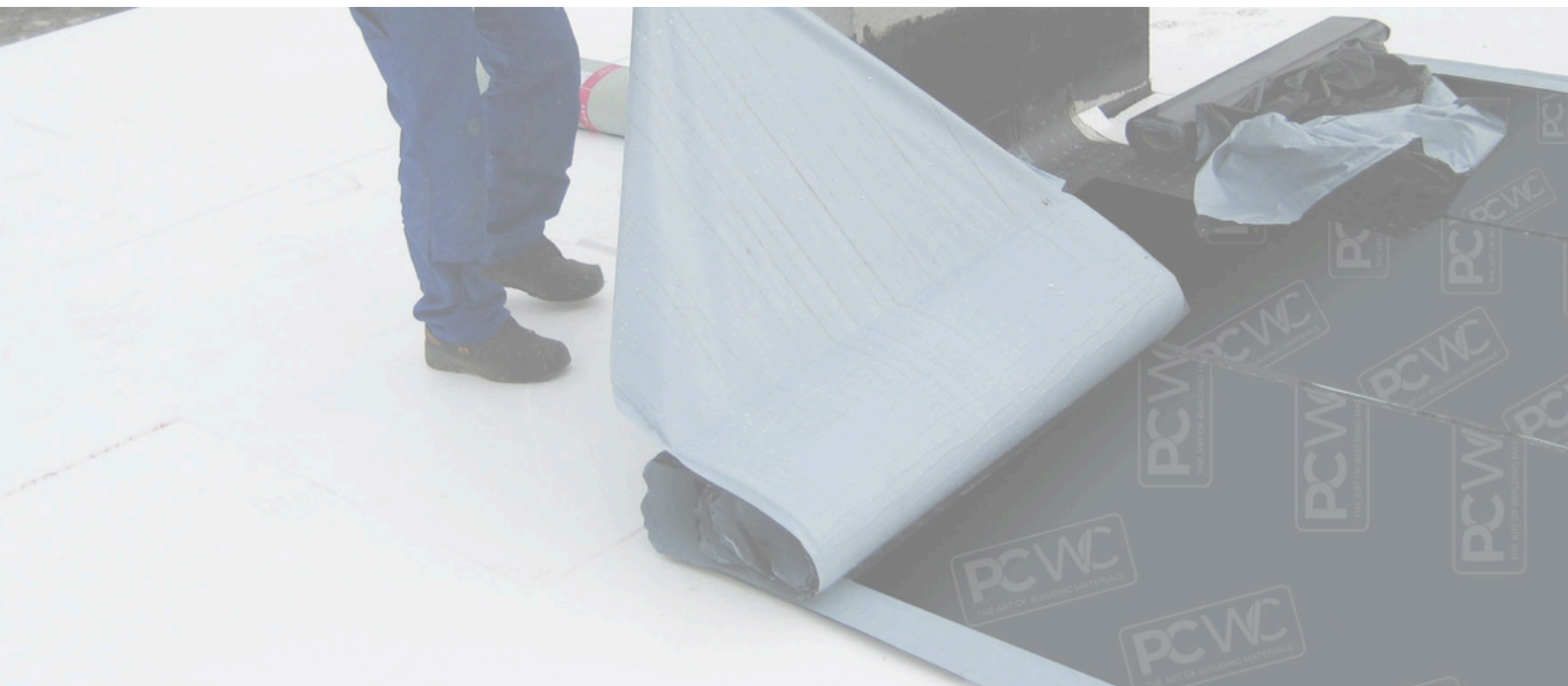


PC-Self® XPE

SBS MODIFIED CROSS LAMINATED SELF ADHESIVE BITUMINOUS
MEMBRANE



1. Cross laminated polyethylene film (HDPE)

Protects the waterproofing layer from mechanical damage and impacts of chemically aggressive environment, provides dimensional stability

2. Self-adhesive SBS modified bitumen

The high elasticity of this layer preserves waterproofing undamaged when cracks and splits occur in the foundation

3. Releasable polyethylene film

Used for underside surface protection from sticking in the roll

INTRODUCTION

PC-Self® XPE is a Self-adhesive carrier-free SBS-modified bitumen membrane specifically engineered for waterproofing of foundations and engineering structures, including radon protection. The production process involves the application of a specialized self-adhesive polymer-bitumen binder on top of a high-performance polymer film that provides exceptional elongation and dimensional stability. Additionally, the bottom surface of the material is coated with a protective film that can be effortlessly removed.

ADVANTAGES

- Record high elongation properties prevent the material from damage caused by movements of the substrate.
- Excellent physical and mechanical characteristics in all directions.
- Prevents radon penetration into the structure.
- The high-quality polymer-bitumen compound has the property of “self-healing”, which gives absolute tightness in places of mechanical penetration.
- High speed of application.
- Safety and cheap application
- The membrane is applied without use of gas and flame.
- No need for any additional equipment and skills.
- High repairability.

COLOUR

Black

ROLL SURFACE

20m² per Roll

✓ AREA OF APPLICATION

- Waterproofing of underground parts of premises and engineering structures.
- Indoor/outdoor waterproofing of premises and buildings.
- Waterproofing of confined areas, where standard technologies cannot be applied (e.g. bathroom ,roof).
- Underlay on pitched roofs and vapor barrier on the corrugated steel sheets and precast concrete slabs.
- Corrosion protection of steel pipes and junctions.

✓ STANDARDS AND CERTIFICATION

- Meets the requirements of the UNE EN 13970 norm.
- Meets the requirements of the ASTM norm.

✓ METHOD OF APPLICATION

FLAT ROOF OR INDOOR WATERPROOFING

Begin by cleaning and treating the surface with a bitumen primer. Fit and straighten the self-adhesive membrane over the designated area. Then, re-roll the membrane to the center and pre-cut the protective film. Gradually remove the film while smoothing the membrane onto the surface. Ensure longitudinal overlaps of 80–100 mm and end overlaps of 150 mm, sealing all overlaps with a 1 mm thick layer of bitumen mastic. On vertical surfaces, apply the membrane to a height suitable for the floor thickness and decorative finishes. Note that self-adhesive materials must be applied at temperatures above +10 °C, and the surface must be smooth, dry, clean, and free from oil stains.



PC-Self® XPE waterproofs basements, walls, and roofs while bridging cracks caused by structural movement.

TENSILE PROPERTIES: ELONGATION L / T, %

≥800 / ≥800

FLEXIBILITY AT LOW TEMPERATURE, °C

≤-15

PROTECTION OF THE TOP SIDE

high-performance polymer film

PROTECTION OF THE BOTTOM SIDE

self-adhesive binder / antiadhesion film

DETERMINATION OF SHEAR RESISTANCE OF JOINTS, KN/M

≥2.0

FLOW RESISTANCE AT ELEVATED TEMPERATURE, °C

≥+85

WATER VAPOUR TRANSMISSION PROPERTIES

μ=120000

THICKNESS

1.5 (± .10) mm

MASS PER UNIT AREA, KG/M²

1.75±0.15

✓ FEATURES

This waterproofing membrane offers factory-controlled thickness for uniform on-site application. It is certified for both water and vapor barriers and can be applied easily at room temperature. With SBS-based durability, over 300% elongation, and excellent crack-bridging, it ensures long-term performance. The material is fully flexible, conforms well to surfaces, and adheres perfectly to cross-laminated supports, enhanced by its HDPE film for superior strength in all directions.



INDICATIONS

Self-adhesive bitumen membranes in cold periods tend to harden resulting in decreased adhesion. Installation of self-adhesive materials should be performed within favorable climatic conditions i.e. dry weather and temperatures above +10°C. At temperatures below +10°C and high air humidity, the adhesion of the membrane could be compromised and therefore it is necessary to use the hot air to restore characteristics of the material.



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PC-SELF® XPE

Pack Size: 20M per Roll



TECHNICAL DATA SHEET UPDATED
IN JAN 2025
TDS/PC-SELF® XPE

All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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