

EPDM Rubber Waterproofing Roll on Membrane

EPDM Waterproofing Membrane

Product Overview

EPDM waterproofing membrane is a highly elastic synthetic polymer waterproofing sheet manufactured using internationally advanced cold-feed extrusion continuous vulcanization technology. It is produced with EPDM rubber from DuPont (USA) and high-quality domestic raw materials, combined with carbon black reinforcing agents, nano-modifiers, plasticizers, vulcanization accelerators, and other processing aids. The manufacturing process includes internal mixing, refining, filtering, extrusion, continuous vulcanization, and inspection. This product is weldable and is recognized worldwide as the "King of Waterproofing."

Product Features

- Excellent aging resistance – service life up to 50 years. Very high elongation, high tensile strength, and low dimensional change after heat treatment.
- Good root penetration resistance – suitable for green roof waterproofing.
- Special modified molecular structure effectively solves the current shortcomings of EDM adhesive bonding both domestically and internationally.
- Good low temperature flexibility – adapts well to ambient temperature changes.
- Easy application – reliable and strong bonding, no environmental pollution.
- Chemical resistant – suitable for special applications. Easy repair – low cost.Easy detailing.
- Good puncture resistance.





Application Method

The EPDM waterproofing system consists of EPDM waterproofing membrane, system accessories, system design, and installation. This advanced and mature waterproofing system has been

proven through nearly thirty large-scale projects both domestically and internationally – it is complete and reliable. It includes fully bonded, loosely laid, and mechanically fastened systems, along with complete application technologies such as system accessories, detail design, and installation procedures. Users can select the most suitable application method based on the building design requirements.

◎ **Fully bonded method:**

Level substrate → Trowel smooth → Dry → Apply substrate adhesive → Unroll and position membrane → Clean lap area → Apply lap adhesive → Roll lap area → Detail treatment → Complete

The fully bonded method uses substrate adhesive to bond the EPDM membrane directly and completely to the substrate. Adjacent membrane overlaps shall not be less than 10 cm, and then EPDM adhesive is used for seam lapping, forming a continuous, closed waterproofing layer. After that, flashings are applied around the perimeter and at penetrations according to code requirements.

Application features:

1. Suitable for any type of roof.
2. Lightweight material.
3. High wind load resistance.

◎ **Loosely laid method:**

Loose-lay the EPDM waterproofing membrane on the substrate over large areas. The overlap between two membrane sheets shall not be less than 10 cm, then use adhesive to bond the lap joints. After that, apply flashings at the perimeter and penetrations according to code requirements.