

## Standard Waterproof Breathable Membrane

### Description

Waterproof breathable membrane is three layers thermal lamination. Polypropylene (PP) non-woven fabric layer is on the top and bottom for protection and reinforcement, and micro-porous polyethylene (PE) film is in the middle as breathable membrane. The membranes are commonly used as waterproof underlay beneath the roof covering, which is impervious to rains or snows, meanwhile they are vapor permeable and allow the moisture escape from the roof structure to avoid mold and rot of fiberglass or insulation or wood structure, and keeping excellent R-value.

### Uses

- ◆ As underlay for roofs and walls of new buildings or renovations
- ◆ As waterproof and vapor permeable barriers for protection insulation layers of walls or roofs
- ◆ Used as a temporary waterproofing barrier during the construction process.



### Features

- ◆ Excellent water resistance, vapor permeability and good tensile strength
- ◆ Strong tear and nail strength and flexibility at low temperature
- ◆ Lighter weight, easy to handle

### Type and Specification

Thickness, mm	0.3
Width, m	1.5 or customized
Length, m	50 or customized
Color	Gray, blue, white, or customized
Unit area weight, g/m <sup>2</sup> ±10%	100

### Technical Data

No	Item	Direction	Index
1	Tensile strength, N/50mm ≥	MD	220
		CD	200
2	Elongation at break, % ≥	MD	96
		CD	94
3	Nail shank tear strength, N ≥	MD	140
		CD	160
4	UV resistance, months	3	
5	Water vapor permeance, g/m <sup>2</sup> ·24 hrs, % ≥	1200-2600	
6	Impermeability, 1m water column * 24 hrs	Impermeable	
7	Flame retardancy	Class F	

### Packing and storage

Rolls on pallets or bulk loading.

20'GP: 700 - 900 rolls, 40'GP: 1500 - 2000 rolls, 40'HC: 1700 - 2200 rolls

Store away from sources of punctures and physical damage and UV radiation. Keep dry and store away from ignition sources and open flame.

Shelf Life: Unlimited

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