

Extra Strength 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.

Features

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

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.



Type and Specification

| | |
|---|----------------------------------|
| Thickness, mm | 0.65 |
| Width, m | 1.6 or customized |
| Length, m | 50 or customized |
| Color | Gray, blue, white, or customized |
| Unit area weight, g/m ² ±10% | 160 |

Technical Data

| No | Item | Direction | Index |
|----|--|-------------|-------|
| 1 | Tensile strength, N/50mm ≥ | MD | 320 |
| | | CD | 280 |
| 2 | Elongation at break, % ≥ | MD | 98 |
| | | CD | 96 |
| 3 | Nail shank tear strength, N ≥ | MD | 310 |
| | | CD | 260 |
| 4 | UV resistance, months | 3 | |
| 5 | Water vapor permeance, g/m ² ·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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