

Flame Retardant Waterproof Breathable Membrane

Description

Flame retardant waterproof breathable membrane is three layers thermal lamination with excellent flame retardancy. 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 flame retardancy, tensile strength, water resistance, vapor permeability
- ◆ Strong tear and nail strength and flexibility at low temperature
- ◆ Lighter weight, easy to handle

Uses

- ◆ As flame retardant 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	0.5
Width, m	1.5 or customized
Length, m	50 or customized
Color	White or customized
Unit area weight, g/m ² ±10%	150

Technical Data

No	Item	Direction	Index
1	Tensile strength, N/50mm ≥	MD	280
		CD	260
2	Elongation at break, % ≥	MD	96
		CD	94
3	Nail shank tear strength, N ≥	MD	200
		CD	195
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	B1	

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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