



VYVAP-W SA

Self-Adhered Woven Vapor Barrier Membrane

DESCRIPTION

VYVAP-W SA is a self-adhered vapor control membrane composed of a reinforced woven fabric combined with a high-performance pressure-sensitive adhesive layer. It is designed to provide reliable vapor control and airtight sealing in building envelope applications.

The reinforced woven structure ensures excellent dimensional stability and mechanical strength, while the self-adhesive backing allows for fast, flame-free installation. VYVAP-W SA is suitable for both horizontal and vertical applications where durable vapor control is required.

BENEFITS

- **Self-Adhered System**

Fast installation without the need for additional adhesives or mechanical fixing.

- **Reinforced Woven Structure**

High tensile strength and tear resistance for enhanced durability.

- **Excellent Vapor Barrier Performance**

Effectively limits vapor transmission, protecting insulation and structural components.

- **Airtightness Performance**

Helps improve overall building airtightness and energy efficiency.

- **Flexible & Easy Handling**

Good flexibility for easy application on complex details and substrates.

APPLICATIONS

- **Roofing Systems**

Vapor control layer in insulated roof assemblies.

- **Wall Systems**

Internal vapor barrier for external walls and light steel structures.

- **Steel Structure Buildings**

Ideal for factory buildings, warehouses, and metal roof systems.

- **Floor & Slab Applications**

Used beneath concrete slabs as a vapor control layer.

INSTALLATION

1. **Surface Preparation**

Substrate must be clean, dry, smooth, and free of dust, oil, or sharp objects.

2. **Application**

Remove release liner and apply membrane directly onto the substrate. Ensure proper alignment.

3. **Overlap**

Side laps ≥ 50 mm, end laps ≥ 80 mm. Press firmly to ensure full adhesion.

4. **Sealing**

Use compatible tapes or sealants for joints, penetrations, and detailing.

STORAGE & SHELF LIFE

- Store in a dry, ventilated area, away from direct sunlight and heat sources.
- 12 months in original unopened packaging.

DIMENSIONS & PACKAGING

Parameter	Value
Thickness	0.5 mm
Width	0.914 m
Length	22.86 m
Color (surface)	White or customized
Packaging	Rolls

TECHNICAL DATA

Property	Value	Test Method
Maximum tensile force, MD/CD (N/50mm)	$\geq 700/700$	EN 12311-2:2000
Elongation at braeak, MD/CD (%)	$\geq 20/20$	EN 12311-2:2000
Low temperature flexibility	-25°C, 2h, no crack	EN 1109:1999
Heat resistance	80°C, 2h, no flow	ASTM D5147
Adhesion to steel plates (N/mm)	≥ 1.5	EN 12316-1:1999
Adhesion to primed concrete (N/mm)	≥ 1.5	EN 12316-1:1999
Lap Adhesion (N/m)	≥ 1.0	EN 12316-1:1999
Tear strength (Trouser), MD/CD (N)	$\geq 18/18$	ASTM D5601
Tear strength (Keystone), MD/CD (N)	$\geq 150/150$	ASTM D4533
Tear strength (Nail shank), MD/CD (N)	$\geq 300/300$	EN 12310-1