VYBREATH-VP SA

Self-Adhered Nonwoven Breathable Membranes

DESCRIPTION

VYBREATH-VP SA is high-performance self-adhered breathable membranes designed for advanced building envelope systems. The product allows water vapor to escape while preventing water ingress.

The self-adhesive backing enables fast, flame-free installation, making them especially suitable for modern construction and renovation projects.

VYBREATH-VP SA FR variant incorporates fire-retardant technology, providing enhanced fire performance for applications with higher safety requirements.

BENEFITS

- **Self-Adhered Installation**
Fast, clean, and flame-free application with excellent adhesion to various substrates.
- **High Breathability**
Allows moisture vapor to escape, reducing condensation risk within building assemblies.
- **Waterproof & Windproof**
Prevents water penetration and improves building airtightness.
- **Fire Retardant Option (FR)**
VYBREATH VP SA-FR offers improved fire performance for demanding applications.

APPLICATIONS

- **Roofing Systems**
Breathable underlayment layer for pitched roofs and metal roofing systems.
- **Wall Systems**
External wall breathable membrane in timber frame, steel frame, and facade systems.
- **Steel Structure Buildings**
Ideal for industrial buildings, warehouses, and prefabricated structures.
- **Renovation & Retrofit**
Suitable for upgrade projects requiring fast installation and improved airtightness.

INSTALLATION

- **Surface Preparation**
Substrate must be clean, dry, and free from dust, oil, or sharp objects.
- **Application**
Remove release liner and apply directly onto the substrate. Align carefully to avoid wrinkles.
- **Overlap**
Side laps ≥ 50 mm, end laps ≥ 80 mm.
- **Sealing & Detailing**
Ensure full adhesion at overlaps. Use compatible tapes (if need) for joints, penetrations, and edges.

STORAGE & SHELF LIFE

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

VYKOL

DIMENSIONS & PACKAGING

Parameter	Value	
Density	230 g/m^2	290 g/m^2
Thickness	0.4 mm	0.6 mm
Width	1.22 m	1.22 m
Length	30 m	30 m
Color (surface)	White or customized	White or customized
Packaging	Rolls	Rolls

TECHNICAL DATA

Property	Value(230g/m2)	Value(290g/m2)	Test Method
Maximum tensile force, MD/CD (N/50mm)	≥ 130/80	≥ 195/140	EN 12311-2:2000
Elongation at braeak, MD/CD (%)	≥ 30/30	≥ 30/30	EN 12311-2:2000
Watertightness	1000mm water column, no leakage for 2 hours	1500mm water column, no leakage for 2 hours	EN 1928:2000
Tear strength (Nail shank), MD/CD (N)	≥ 50/50	≥ 75/75	EN 12310-1:1999
Cold bending	-30°C, no crack	-30°C, no crack	EN 495-5:2000
Water vapor permeance, perms(ng/Pa•s•m2)	≥ 10(572)	≥ 10(572)	ASTM E96, method A
Water vapor permeance, perms(ng/Pa•s•m2)	≥ 12(686)	≥ 12(686)	ASTM E96, method B
Plywood adhesion, (N/m)	≥ 350	≥ 350	ASTM D3330
Lap adhesion, (N/m)	≥ 300	≥ 300	ASTM D1876