



VYVAP-FC

Fluorocarbon Film Self-Adhesive Waterproof Membrane

DESCRIPTION

VYVAP-FC is a high-performance self-adhesive waterproofing membrane utilizing fluorocarbon film technology. Specifically designed for exposed repairs on steel structure factory roofs, VYVAP-FC provides reliable waterproof protection in extreme weather conditions. The fluorocarbon film enhances its resistance to chemicals, ensuring long-lasting durability and stability. It is an ideal solution for industrial and commercial waterproofing applications.

BENEFITS

- **Superior Self-Adhesive Properties:** No additional adhesives required, simplifying and speeding up the installation process.
- **Excellent Weather Resistance:** The fluorocarbon film effectively resists UV radiation, chemical corrosion, and extreme temperature variations, making it suitable for long-term exposure.
- **High Waterproof Performance:** Offers exceptional water-tightness and waterproofing, ensuring long-term performance.
- **Wide Range of Applications:** Especially suitable for exposed roof repairs in steel structure factories, providing effective waterproof protection.
- **Chemical Resistance:** Exhibits excellent resistance to common industrial chemicals.

APPLICATIONS

- **Steel Structure Factory Roofs:** Particularly suitable for exposed roof repairs in steel structure factory buildings, able to withstand harsh external conditions.
- **Industrial and Commercial Buildings:** For waterproofing on roofs, walls, and underground facilities.
- **High Corrosion Environments:** Ideal for chemical plants, warehouses, and other areas that require waterproofing and resistance to chemical corrosion.
- **Infrastructure Projects:** Widely used in large-scale infrastructure projects such as dams and tunnels, where high-strength waterproofing is critical.

INSTALLATION

1. **Surface Preparation:** Ensure the surface is clean, dry, and free of oils, dust, or debris that could damage the membrane.
2. **Membrane Application:** Begin laying the VYVAP-FC membrane from one end, ensuring proper overlap (at least 50 mm) between rolls. Avoid stretching the membrane during installation.
3. **Press and Adhere:** Remove the protective backing and press the membrane into place, ensuring full adhesion. Use a roller to ensure proper bonding.
4. **Seam Sealing:** Ensure that seams are free of air pockets or gaps for a watertight seal.

STORAGE & SHELF LIFE

- **Storage Conditions:** Store rolls vertically in a dry, cool environment, away from direct sunlight.
- **Shelf Life:** 12 months from the date of manufacture, when stored under proper conditions.

DIMENSIONS & PACKAGING

Parameter	Value
Thickness	1.0 mm
Width	1 m
Length	10 m
Color (surface)	White or customized
Packaging	Rolls

TECHNICAL DATA

Property	Value	Test Method
Maximum tensile force, MD/CD (N/50mm)	$\geq 450/450$	EN 12311-2:2000
Elongation at braeak, MD/CD (%)	$\geq 50/50$	EN 12311-2:2000
Low temperature flexibility	-40°C, 2h, no crack	EN 1109:1999
Heat resistance	100°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