



VYEPDM-H

EPDM Waterproofing Membrane – Homogeneous

DESCRIPTION

VYEPDM-H is a high-performance homogeneous EPDM waterproofing membrane manufactured from synthetic rubber (ethylene propylene diene monomer).

It offers outstanding elasticity, weather resistance, and long-term durability, making it suitable for a wide range of roofing and waterproofing applications. The homogeneous structure ensures consistent material performance throughout the membrane thickness.

BENEFITS

- Excellent UV and weathering resistance
- Outstanding elasticity and flexibility
- Superior resistance to ozone and aging
- Maintains performance in extreme temperatures
- Homogeneous structure for consistent quality
- Suitable for exposed applications
- Long service life

APPLICATIONS

- Roofing waterproofing systems (exposed, ballasted, or green roofs)
- Basement and foundation waterproofing
- Podium decks
- Water containment structures
- Industrial and commercial buildings

INSTALLATION

- Substrate must be clean, dry, and smooth
- Install using fully adhered, mechanically fastened, or ballasted systems
- Seams sealed with compatible adhesives or tapes
- Ensure proper overlap and detailing at penetrations
- Installation should be carried out by trained applicators
- Follow project specifications and system guidelines

STORAGE & SHELF LIFE

- Store in original packaging in a dry and ventilated area
- Protect from direct sunlight and extreme temperatures
- Avoid mechanical damage during storage
- Shelf life: 24 months





DIMENSIONS & PACKAGING

Parameter	Value
Thickness	1.15mm(45mil) / 1.52mm(60mil) (customized if other specifications are required)
Width	1m / 2m / 3m / 8m
Length	20 m
Color	Black
Packaging	Rolls

TECHNICAL DATA

Property	Value	Test Method
Tensile strength (MPa)	≥ 9.0	ASTM D412
Elongation, ultimate (%)	≥ 300	ASTM D412
Tear resistance (kN/m)	≥ 26.27	ASTM D624
Dynamic puncture resistance, 5J, Type I	Pass	ASTM D5635
Static puncture resistance, 20kg, Type I	Pass	ASTM D5602
Tensile strength (MPa), heat aged, 670 hrs @ 116°C	≥ 8.3	ASTM D412
Elongation, ultimate (%), heat aged, 670 hrs @ 116°C	≥ 200	ASTM D412
Tear resistance (kN/m), heat aged, 670 hrs @ 116°C	≥ 21.9	ASTM D624
Linear dimensional change (%), heat aged, 670 hrs @ 116°C	$< \pm 1$	ASTM D1204