

EPDM FACADE MEMBRANE

EPDM Technorubber membrane is single-ply synthetic rubber membrane made of ethylene propylene diene monomer (EPDM). It is conveyed to the calender extruder into large sheets and vulcanized. Available in strips for sealing applications: it is a high performing sealing system for facade and cladding waterproofing, air tightening and moisture protection, for cavity wall structures, window frames sealing against leaks and moisture penetration, waterproofing of roof gutters, etc...



FEATURES

Superior Quality Of Technorubber EPDM

Robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. EPDM can be used in all types of climates. EPDM is a fully cured membrane that mainly contains EPDM polymer and carbon black, offering unmatched resistance to ozone and UV radiation, enabling the membrane to be exposed for an extended period of time. Technorubber EPDM remains flexible even at very low temperature (-45°C) and can elongate over 300%. EPDM facade membranes accommodate to the support's structural or thermal movements.

Quick Installation

The EPDM strips' flexibility, the limited weight and available width ranging from 10 cm to 150 cm enables prompt, simple and efficient installation.

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable sealing system. The Technorubber EPDM facade membrane offers such a unique combination of features and long-term benefits, making those EPDM Strips the ideal solution for all types of façade and moisture barriers.

Compatible With Most Substrates

EPDM facade membranes are clean and talc-free. As a result, it can be adhered to virtually any substrate and attached it to virtually anything.

A Green Choice

Technorubber EPDM is an inert material with limited environmental impact during manufacturing, installation and use. No toxic substances are released from the membrane, allowing collection and use of run-off rainwater. These ecological benefits, in combination with the membrane's life expectancy of up to 50 years, make Technorubber EPDM an environmentally friendly waterproofing solution.

Combined With Quality Manufacturing

Technorubber operates plants with state-of-the-art equipment. The EPDM plants in Dammam, KSA have achieved ISO 9001:2015 which is a testimony to the company's commitment to quality management systems. Technorubber EPDM membranes is in accordance with EN 13984. Technorubber EPDM membranes have obtained the European CE marking. This certifies that these products and associated production methods are meeting today's requirements in terms of mechanical resistance and stability, safety in case of fire, hygiene, health and environmental protection, safety in use, protection against noise, energy economy and heat retention, aspects of durability, serviceability and identification.

TECHNICAL SPECIFICATIONS

NO.	Property	Unit	Testing Standard	Specifications
01	Length	m	EN 1848-2	-0% ,+5%
02	Width	m	EN 1848-2	-0.5% ,+1%
03	Effective Thickness	mm	EN 1849-2	-5%,+10%
04	Straightness	mm	EN 1848-2	≤ 50
05	Mass per unit area	Kg/m ²	EN 1849-2	-5% ,+10%
06	Water Tightness	-	EN 1928(B)	Pass
07	Resistance to Impact	mm	EN 12691(B)	≤ 150
08	Tear Resistance (Nail Shank)	N	EN 12310-1	≥ 20
09	Joint Shear Resistance	N/50mm	EN 12317-2	≥ 200
10	Tensile Strength	N/mm ²	EN 12311-2	≥ 6.0
11	Elongation at Break	%	EN 12311-2	≥300
12	Reaction to Fire	-	EN 13501-1	Class E
13	Water Vapor Transmission (Moisture Resistance Factor)	%	EN 1931	73,600
14	Resistance to Alkali	-	EN 1847	Pass
15	Durability of water vapor resistance against ageing (Not more than ± 50 % change)	-	EN 1296 / EN 1931	Pass

Harmonized Technical Specification: EN 13984:2013 Flexible sheets for waterproofing - Plastic and rubber vapour control layers – Definitions and characteristics

PRODUCT RANGE

NO.	Length	Width	Thickness
01	10m-20m-30m	10cm to 150cm	0.75 , 1.00, 1.14,1.20 & 1.50mm

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

Preparation

Allow the membrane to relax for approximately 30 minutes before installation.

Saturate

Supporting structure needs to be stable enough to support the temporary loading. Substrate needs to be clean, smooth, dry and free of sharp edges.

Application

Install EPDM membrane in accordance with current specifications and details. Contact with any kind of oils, petroleum products, hot bitumen and grease must be avoided.

Storage

Store the membrane in a dry place until use.