



**TECHNO RUBBER COMPANY**  
WATERPROOFING SYSTEMS

# TRC EPDM Roofing Membrane

## EPDM RUBBER MEMBRANE FOR FLAT ROOFS

TRC EPDM roofing membrane is a single ply synthetic rubber membrane made of Ethylene Propylene Diene Monomer (EPDM). It is conveyed to the calender extruder into large sheets and vulcanized.

This EPDM membrane is available in panel sizes up to 12.2 m wide x 30.5m long, resulting in fewer field seams and a shorter installation time.

## SUPERIOR QUALITY OF TRC EPDM

EPDM is a fully cured membrane that mainly contains EPDM polymer and carbon black, offering unmatched resistance to ozone and UV radiation.

This membrane has no plasticizer, resulting in a stable and inert membrane. It offers an extremely durable roofing solution.

TRC EPDM remains flexible even at very low temperature (-45°C) and can elongate over 300% to accommodate building movements and temperature fluctuations.

## INSTALLATION SPEED

Large EPDM panels mean fewer seams and faster installation times.

## A PERFECT COMBINATION

A high quality and durable roofing system, TRC EPDM roofing membrane and its range of accessories is perfect for most flat roofs.

## A GREEN CHOICE

TRC 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 TRC EPDM an environmentally friendly roofing solution.

## COMBINED WITH QUALITY MANUFACTURING

TRC operates plants with state-of-the-art equipment. The EPDM plants have achieved ISO:9001:2015 which is a testimony to the company's commitment to quality management systems.

TRC 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 DATA

## TRC EPDM ROOFING MEMBRANE

LENGTH	WIDTH	THICKNESS
30.5 m	up to 12.2m	1.2mm & 1.52mm

NO.	PROPERTY	UNIT	TEST STANDARD	SPECIFIED VALUES
1	Visible defects	-	EN 1850-2	Pass
2	Effective Thickness	mm	EN 1849-2	-5% ,+10%
3	Mass per unit area	Kg/m <sup>2</sup>	EN 1849-2	-5% ,+10%
4	Length	m	EN 1848-2	-0% ,+5%
5	Width	m	EN 1848-2	-0.5% ,+1%
6	Tensile strength	N/mm <sup>2</sup>	EN 12311-2	≥ 8.0
7	Elongation at break	%	EN 12311-2	≥300
8	Watertightness	-	EN 1928(B)	Pass
9	Tear Resistance	N	EN 12310-2	≥ 30
10	Resistance to Static Load-Hard substrate	Kg	EN 12730(B)	≤ 20
11	Resistance to impact Load-Hard substrate	mm	EN 12691(A)	≤ 150
12	Joint Peel resistance	N/50mm	EN 12316-2	≥ 200
13	Joint Shear resistance	N/50mm	EN 12317-2	≥ 200
14	Dimensional Stability	%	EN 1107-2	± 0.4

NO.	PROPERTY	UNIT	TEST STANDARD	SPECIFIED VALUES
15	Reaction to Fire	-	EN 13501-1	Class E
16	External Fire Performance	-	EN 13501-5	BROOF(t4)
17	Foldability at low temp	°C	EN 495-5	≤ -45
18	UV Exposure	-	EN 1297	Pass
19	Resistance to Ozone	-	EN 1844	No cracks

Harmonized Technical Specification: EN 13956:2012 (Flexible sheets for waterproofing—plastic and rubber sheets for roof waterproofing — Definitions and characteristics)

### PREPARATION

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

### SUBSTRATE

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.

# TRC

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