TECHNO RUBBER COMPANY

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 roofing 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. The 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	Visible Defects	-	EN 1850-2	Pass
02	Effective Thickness	mm	EN 1849-2	-5%, +10%
03	Mass Per Unit Area	Kg/m^2	EN 1849-2	-5%, +10%
04	Length	m	EN 1848-2	-0% ,+5%
05	Width	m	EN 1848-2	-0.5%,+1%
06	Tensile Strength	N/mm^2	EN 12311-2	≥ 6
07	Elongation at Break	%	EN 12311-2	≥ 300
08	Watertightness	-	EN 1928	Pass
09	Tear Resistance (Nail Shank)	N	EN 12310-1	≥ 20
10	Resistance to Impact	mm	EN 12691	≥ 150
11	Joint Strength	N/50mm	EN 12317-2	≥ 200
12	Reaction to Fire	-	EN 13501-1	Class E
13	Water Vapour T ransmission (Moisture Resistance Factor)	-	EN 1931	73,600
14	Resistance to Alkali	-	EN 1847	Pass
15	Durability of Water Vapour Resistance Against Ageing	-	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.

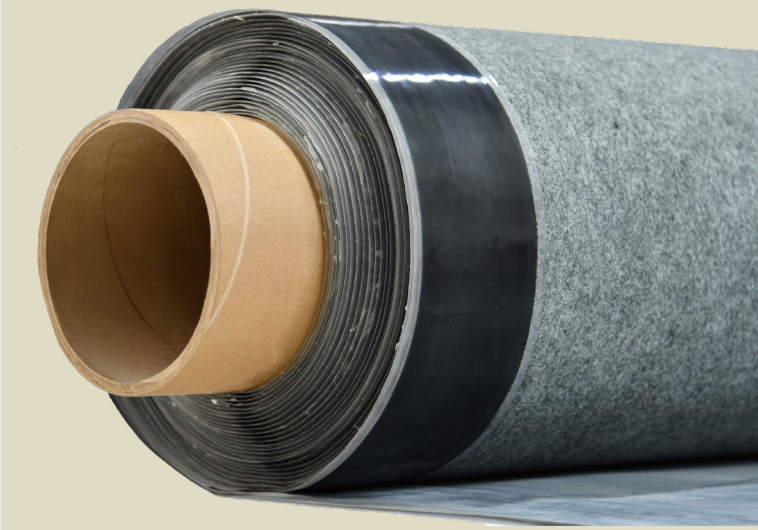
Application
Install EPDM membrane in accordance with current specifications and details. Contact with any kind of oils, petroleum products, hot bitumen and grease must be avoided.

Storage
Store the membrane in a dry place until use.

TRC
TECHNO RUBBER COMPANY

EPDM FLEECEBACK MEMBRANE

Technorubber EPDM Fleeceback membrane is a rubber membrane adhered with a strong 300gsm fleece.
This EPDM membrane can feature one or two 7,5cm Pre-tape (Self-adhered seam tape) for fast installation, consistent and high-quality seams.



FEATURES

Superior Quality Of Technorubber Fleeceback

Robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. Fleece reinforcement adds toughness, durability, and enhanced puncture resistance. The ideal solution when substrates are uneven. This membrane has no plasticizer resulting in a stable and inert membrane. It offers an extremely durable roofing 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.
The Technorubber EPDM Fleeceback membranes made in accordance with ASTM D4637-Type III. 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.

Higher Wind Uplift Performance

The Fleece will improve adhesion properties to membrane and provide high wind uplift resistance.

Light-weight Solution

EPDM Roofing Systems weight much less than modified bitumen systems.

Even Faster With The Pretape

The seam tape is bonded to the EPDM Fleeceback membrane in a factory- controlled setting, enhancing seaming productivity by over 50 percent. It improves reliability and consistency of the seams.

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable roofing system. The Technorubber EPDM Fleeceback membrane offers a unique combination of features and long-term benefits.

Technorubber Fleeceback, The Ideal Roofing System

We can propose a full EPDM rubber roofing system. Fleeceback EPDM is tough, durable, and versatile, and is ideal for re-roof or new construction projects.

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 roofing solution.

TECHNICAL SPECIFICATIONS

NO.	Property	Unit	Testing Standard	Specifications
01	Thickness	mm	ASTM D 751	-10% , +15%
02	Coating Over Scrim or Fabric (min)	mm	ASTM D 7635	0.76
03	Breaking Strength (min)	N	ASTM D 751 Grab Method	400
04	Elongation, Ultimate (min)	%	ASTM D 412 Die C	300*
05	Tearing Strength (min)	N	ASTM D 751 B Tongue Tear	45
06	Brittleness Point (max)	℃	ASTM D 2137	-45
07	Ozone Resistance (no cracks)	-	ASTM D 1149	Pass
08	Heat Aging @ 116±2 ℃ for 670 ± 6.7h	-	ASTM D 573	
a	Breaking Strength (min)	N	ASTM D 751 Grab Method	356
b	Elongation, Ultimate (min)	%	ASTM D 412 Die C	200*
c	Linear Dimensional Change (max)	%	ASTM D 1204	±1
09	Water Absorption, mass (max)	%	ASTM D 471	+8,-2 *
10	Weathering Resistance	-	ASTM G 151/155	no cracks or crazing
11	Fabric Adhesion (min)	N/m	ASTM D 413	525

* A Specimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced products.
Harmonized Technical Specification: ASTM D 4637 Type III (Flexible sheets for waterproofing—plastic and rubber sheets for roof waterproofing — Definitions and characteristics)

MEMBRANE COMPOSITION

EPDM top layer in 1.20mm thickness	Fleece backing to EPDM in 300 gsm Geotextile	Possibility to add 1 or double Factory-Applied Tape to ensure consistent and quality seams.

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

01.
Keep rolls dry prior to installation.

02.
Roofing substrate must be dry, clean and without dust and Oil products.

03.
Do not install membrane if fleece is wet.

04.
Use of compatible accessories with Techno Rubber EPDM membrane is mandatory.

05.
Care must be exercised when putting rolls on the rooftop (Make sure roof can support the additional load).

TECHNO RUBBER COMPANY

EPDM LINING MEMBRANE

Technorubber EPDM lining membrane is single-ply synthetic rubber membrane made of ethylene propylene diene monomer (EPDM). It is conveyed to the calendar extruder into large sheets and vulcanized. This EPDM membrane is available in panel sizes up to 12.2 m wide x 61.0 m long, resulting in fewer field seams and a shorter installation time.

FEATURES

Superior Quality Of Technorubber EPDM

Durability: robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. 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 lining solution. Technorubber EPDM remains flexible even at very low temperature (-45°C) and can elongate over 300% to accommodate movement of the support and temperature fluctuations.

EPDM is Very Flexible

Technorubber EPDM can be easily installed on each type of support. It adjusts even to complex shape of ponds and water feature creating an aesthetic result.

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable lining system. The Technorubber EPDM offers such a unique combination of features and long-term benefits for all your water features: decorative ponds, swimming ponds, artificial lakes, agricultural reservoirs, canals etc...

Installation Speed

Large EPDM seamless sheets enable prompt installation without any power supply.

Even Faster With Seam Tape

Field splicing are made with a Primer and a self-adhesive tape. It tremendously improves speed, reliability and consistency of the seams.

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.
The Technorubber EPDM membranes is in accordance with ASTM D 7465- Type I. 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	Thickness Sheet - Overall	mm	ASTMD 412	-10% , +15%
02	Tensile Strength (min)	MPa	ASTM D 412 Die C	9.0
03	Puncture Resistance (min)	N	ASTM D 4833	133
04	Elongation, Ultimate (min)	%	ASTM D 412 Die C	300
05	Tensile Set (max)	%	ASTM D 412 Die C	10
06	Tear Sesistance (min)	kN/m	ASTM D 624 Die C	26.27
07	Brittleness Point (max)	° C	ASTM D 2137	-45
08	Ozone Resistance (no cracks)	-	ASTM D 1149	Pass
09	Heat Aging @ 116 ± 2 °C for 670 ± 6.7 h	-	ASTM D 573	-
a	Tensile Strength (min)	MPa	ASTM D 412 Die C	8.3
b	Elongation Ultimate (min)	%	ASTM D 412 Die C	200
c	Tear Resistance (min)	kN/m	ASTM D 624 Die C	21.9
d	Linear Dimensional Change,(max)	%	ASTM D 1204	±1
10	Water Absorption, mass (max)	%	ASTM D 471	+8, -2
11	Weather Resistance	-	ASTM G 151/155	-
a	Visual Inspection	-	ASTM D 518	No cracks or crazing
b	PRFSE (min)	%	ASTM D 7465	30
c	Elongation, Ultimate (min)	%	ASTM D 412 Die C	200

Technical Specification: ASTM D 7465-Type I (Standard Specification for Ethylene Propylene Diene Terpolymer (EPDM) Sheet Used In Geomembrane Applications)

PRODUCT RANGE

NO.	Length	Width	Thickness
01	30.5m to 61.0m	3.05 to 12.20m	1.04, 1.14 & 1.52mm

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

Preparation
Substrate needs to be compacted, clean, smooth, dry and free of sharp edges. A protective geotextile will systematically be installed between the substrate and the membrane.

Application
Allow the membrane to relax for minimum 30 minutes before splicing. 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 away from sources of punctures and physical damage.

TECHNO RUBBER COMPANY

EPDM REINFORCED MEMBRANE

Technorubber EPDM roofing membrane is singleply 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 3.05 m wide x 30.5 m long, resulting in fewer field seams and a shorter installation time.

FEATURES

Superior Quality Of Technorubber EPDM

Durability: robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. 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. Technorubber EPDM remains flexible even at very low temperature (-45°C).

Puncture Resistance

Reinforced membranes are internally reinforced to provide excellent resistance to punctures, tears & scractches caused by any traffic on the roof.

Even Faster With The Seam Tape

Field splicing are made with a Primer and a self-adhesive tape. It tremendously improves speed, reliability and consistency of the seams

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable roofing system. The Technorubber EPDM roofing membrane offers such a unique combination of features and long-term benefits.

Technorubber Roofing Systems

We can propose an EPDM rubber roofing system and accessories for all kind of roofing systems: Fully Adhered, Ballasted or Mechanically Attached Systems. All this for both reroofing and/or new construction projects.

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 roofing 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 ASTM D4637-Type-II. 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	Thickness Sheet - Overall	mm	ASTM D751	-10% , +15%
02	Coating Over Scrim or Fabric (min)	mm	ASTM D7635	0.38
03	Breaking Strength (min)	N	ASTM D751, Grab Method	400
04	Dynamic Puncture Resistance @ 10J	-	ASTM D5635	Pass
05	Static Puncture Resistance @ 25Kg	-	ASTM D5602	Pass
06	Elongation, Ultimate (min)	%	ASTM D412, Die C	250*
07	Elongation @Fabric Break, Ultimate (min)	%	ASTM D751, Grab Method	15
08	Tearing Strength (min)	N	ASTM D751, B – Tongue Tear	45
09	Brittleness Temperature (max)	℃	ASTM D2137	-45
10	Ozone Resistance (no cracks)	-	ASTM D1149	Pass
11	Heat Aging @ 116±2 ℃ for 670 ± 6.7h	-	ASTM D573	
a	Breaking Strength (min)	N	ASTM D751 Grab Method	356
b	Elongation, Ultimate (min)	%	ASTM D412, Die C	200*
c	Linear Dimensional Change (max)	%	ASTM D1204	±1
12	Water Absorption, mass (max)	%	ASTM D471	+8 , -2*
13	Factory Seam Strength (min)	kN/m	ASTM D816, Method B	8.8 or Failure
14	Weathering Resistance	-	ASTM G151,G155	
a	Visual Inspection	-	ASTM D518	No cracks or crazing

*Specimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced products. Technical Specification: ASTM D4637-Type II (Flexible sheets for waterproofing—rubber sheets for roof waterproofing — Definitions and characteristics

PRODUCT RANGE

NO.	Length	Width	Thickness
01	Up to 30.5m	1.5 – 3.05m	1.52 & 2.30mm

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

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

Application
Install EPDM membrane in accordance with the current specifications and details. Contact with oils, petroleum, bitumen & grease must be avoided.

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

Storage
Store EPDM membrane in hot dry place until use.

TECHNO RUBBER COMPANY

EPDM ROOFING MEMBRANE

Technorubber EPDM roofing membrane is single-ply synthetic rubber membrane made of ethylene propylene diene monomer (EPDM). It is conveyed to the calendar extruder into large sheets and vulcanized. This EPDM membrane is available in panel sizes up to 12.2 m wide x 30.5 m long, resulting in fewer field seams and a shorter installation time.

FEATURES

Superior Quality Of Technorubber EPDM

Durability: robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. 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. Technorubber 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 seamless sheets enable prompt installation. The benefit is simple for both new roofing and refurbishment. A perfect and aesthetic surface after installation.

Even Faster With The Seam Tape

Field splicing are made with a Primer and a self-adhesive tape. It tremendously improves speed, reliability and consistency of the seams.

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable roofing system. The Technorubber EPDM roofing membrane offers such a unique combination of features and long-term benefits.

Technorubber Roofing Systems

We can propose an EPDM rubber roofing system and accessories for all kind of roofing systems: Fully Adhered, Ballasted or Mechanically Attached Systems. All this for both re-roofing and/or new construction projects.

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 roofing 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 ASTM D4637-Type I. 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	Thickness Sheet - Overall	mm	ASTM D412	-10%, +15%
02	Tensile Strength (min)	MPa	ASTM D412, Die C	9.0
03	Dynamic Puncture Resistance @ 5J	-	ASTM D5635	Pass
04	Static Puncture Resistance @ 20 Kg	-	ASTM D5602	Pass
05	Elongation, Ultimate (min)	%	ASTM D412, Die C	300
06	Tensile Set (max)	%	ASTM D412, Die C	10
07	Tear Resistance (min)	kN/m	ASTM D624 , Die C	26.27
08	Brittleness Temperature (max)	°C	ASTM D2137	-45
09	Ozone Resistance (no cracks)	-	ASTM D1149	Pass
10	Heat aging @ 116±2 +°C for 670 ± 6.7 h	-	ASTM D573	-
a	Tensile Strength (min)	MPa	ASTM D412, Die C	8.3
b	Elongation, Ultimate (min)	%	ASTM D412, Die C	200
c	Tear Resistance (min)	kN/m	ASTM D624 , Die C	21.9
d	Linear Dimensional Change (max)	%	ASTM D1204	±1
11	Water Absorption, mass (max)	%	ASTM D471	+8 , -2
12	Weather Resistance	-	ASTM G151,G155	-
a	Visual Inspection	-	ASTM D518	No Cracking or Crazing
b	PRFSE (min)	%	ASTM D4637	30
c	Elongation, Ultimate (min)	%	ASTM D412, Die C	200
13	Fungi Resistance	-	ASTM G21	No Growth

Technical Specification: ASTM D 4637 Type I (Flexible sheets for waterproofing—rubber sheets for roof waterproofing — Definitions and characteristics

PRODUCT RANGE

NO.	Length	Width	Thickness
01	Up to 30.5m	1.50 – 12.20m	1.04,1.14,1.20,1.50,1.52,2.00 & 2.30mm

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

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

Substrate
Roofing 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 the current specifications and details. Contact with oils, petroleum, bitumen & grease must be avoided.

Storage
Store EPDM membrane in hot dry place until use.

TECHNO RUBBER COMPANY

EPDM ROOFING WHITE ON BLACK MEMBRANE

Technorubber EPDM roofing membrane (white on black) is single-ply synthetic rubber membrane made of Ethylene Propylene Diene Monomer (EPDM). It is manufactured conveyed to the calendar extruder into large sheets and vulcanized. This EPDM membrane is available in panel sizes up to 12.2 m wide x 30.5 m long, resulting in fewer field seams and a shorter installation time.

FEATURES

Superior Quality Of Technorubber Fleeceback

Durability: robust membrane, dimensionally stable enabling to withstand severe weather conditions encountered in our regions. EPDM is a fully cured membrane that mainly contains EPDM polymer and white fillers, offering unmatched resistance to ozone and UV Radiation. The SRI value is closer to 100 making it a perfect solution for cool rooftops and energy saving projects.
This membrane has no plasticizer resulting in a stable and inert membrane. It offers an extremely durable roofing solution. Technorubber 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 seamless sheets enable prompt installation. The benefit is simple for both new roofing and refurbishment. A perfect and aesthetic surface after installation.

Even Faster With The Seam Tape

Field splicing are made with a Primer and a self-adhesive tape. It tremendously improves speed, reliability and consistency of the seams.

A Perfect Combination

This membrane is designed to save installation time without compromising in any way. A high-quality and durable roofing system. The Technorubber EPDM roofing membrane offers such a unique combination of features and long-term benefits.

Technorubber Roofing Systems

We can propose an EPDM rubber roofing system and accessories for all kind of roofing systems: Fully Adhered& Mechanically Attached Systems. All this for both re-roofing and/or new construction projects.

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 roofing 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 ASTM D4637-Type I. 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	Thickness Sheet - Overall	mm	ASTM D412	-10%, +15%
02	Tensile Strength (min)	MPa	ASTM D412, Die C	9.0
03	Dynamic Puncture Resistance @ 5J	-	ASTM D5635	Pass
04	Static Puncture Resistance @ 20Kg	-	ASTM D5602	Pass
05	Elongation, Ultimate (min)	%	ASTM D412, Die C	300
06	Tensile Set (max)	%	ASTM D412, Die C	10
07	Tear Resistance (min)	kN/m	ASTM D624, Die C	26.27
08	Brittleness Temperature (max)	℃	ASTM D2137	-45
09	Ozone Resistance (no cracks)	-	ASTM D1149	Pass
10	Heat Aging @ 116±2 ℃ for 166 ± 1.66 h		ASTM D573	
a	Tensile Strength (min)	MPa	ASTM D412, Die C	8.3
b	Elongation, Ultimate (min)	%	ASTM D412, Die C	200
c	Tear Resistance (min)	kN/m	ASTM D624, Die C	21.9
d	Linear Dimensional Change (max)	%	ASTM D1204	±1
11	Water Absorption,mass (max)	%	ASTM D471	+8 , -2
12	Weather Resistance		ASTM G151,G155	
a	Visual Inspection	-	ASTM D518	No cracking or crazing
b	PRFSE (min)	%	ASTM D4637	30
c	Elongation, Ultimate (min)	%	ASTM D412, Die C	200

Technical Specification: ASTM D 4637 Type I (Flexible sheets for waterproofing—rubber sheets for roof waterproofing — Definitions and characteristics

PRODUCT RANGE

NO.	Length	Width	Thickness
01	Up to 30.5m	1.50 – 12.20m	1.52, & 2.30mm

WAREHOUSING AND INSTALLATION RECOMMANDATIONS

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

Application
Install EPDM membrane in accordance with the current specifications and details. Contact with oils, petroleum, bitumen & grease must be avoided.

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

Storage
Store EPDM membrane in hot dry place until use.