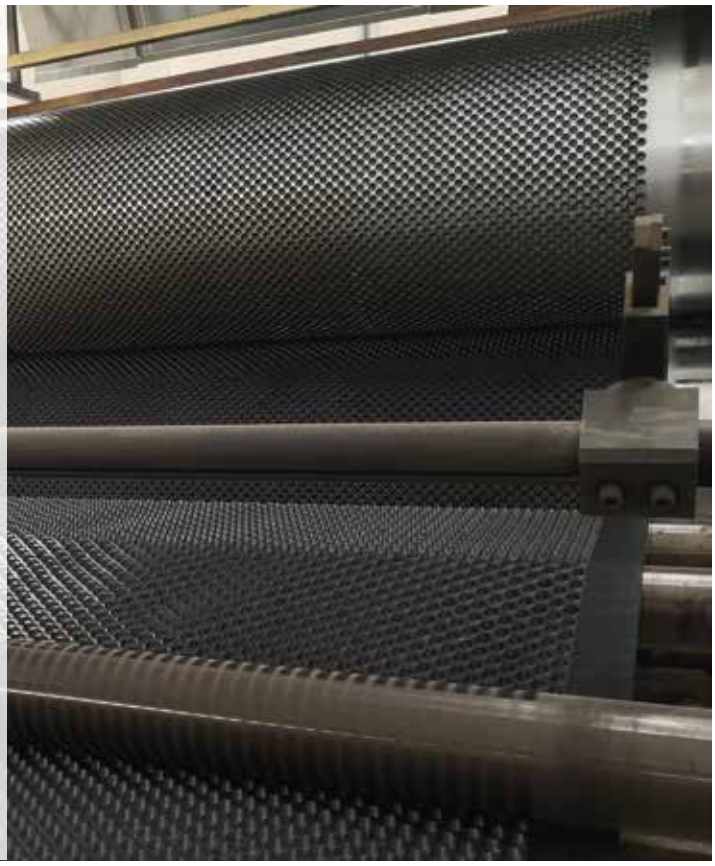
SORCONS®

Qualified Building Materials Industry

CONTENT

Production + Passion = Quality



ABOUT US

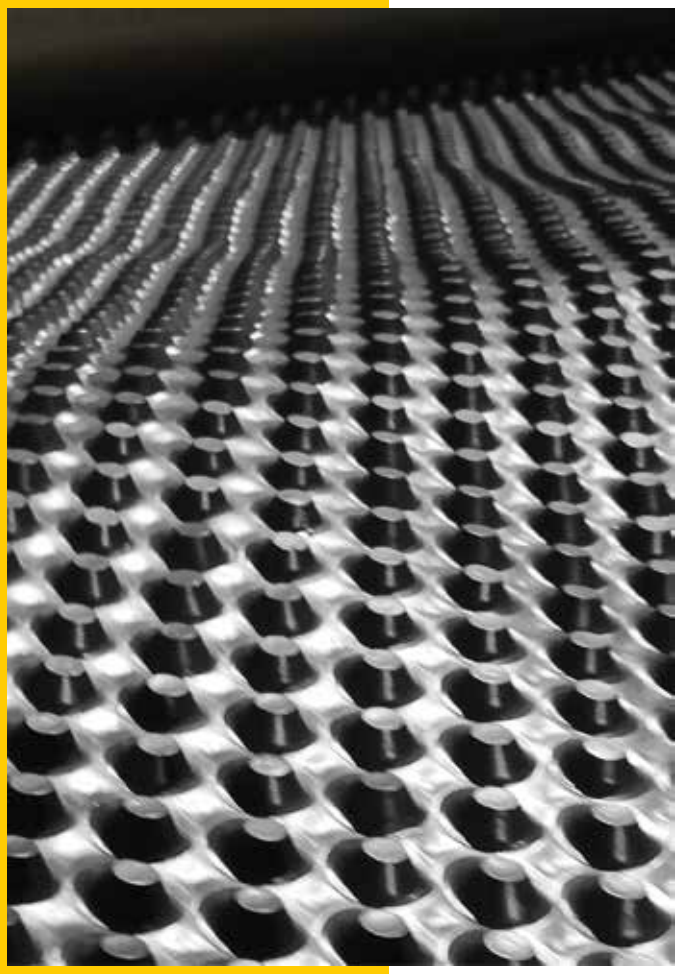
We SORCONS are, a leading manufacturer of high-quality waterproofing membranes from Turkiye. With a strong focus on innovation, durability, and customer satisfaction, we have established ourselves as a trusted name in the industry. Our comprehensive range of waterproofing membranes includes HDPE, PVC, EPDM, and Bituminous types, offering reliable protection against water intrusion in various applications.

Since our establishment, we have been dedicated to providing cutting-edge solutions in the field of waterproofing. With state-of-the-art manufacturing facilities and a team of skilled professionals, we have consistently developed and produced top-of-the-line membranes that meet the highest industry standards.

PRODUCT RANGE

At SORCONS, we offer a diverse range of waterproofing membranes tailored to meet the specific needs of our customers. Our product portfolio includes:

- Dimpled Membrane
- HDPE Geomembrane
- PVC Geomembrane
- EPDM Geomembrane
- Bituminous Membrane
- PVC Waterstop
- Geotextile



QUALITY ASSURANCE

We understand the critical importance of delivering reliable and high-performance waterproofing solutions. At SORCONS, we maintain stringent quality control measures throughout the manufacturing process. Our materials undergo rigorous testing in our state-of-the-art laboratories, ensuring they meet or exceed industry standards for strength, durability, and waterproofing performance.

COMMITMENT TO SUSTAINABILITY

We are committed to environmental sustainability and strive to minimize our impact on the environment. Our manufacturing processes incorporate eco-friendly practices, and we continuously seek opportunities to reduce waste and energy consumption. Additionally, our membranes are designed to contribute to energy efficiency in buildings, helping to create sustainable and eco-friendly structures.

CLIENTELE

Over the years, we have earned the trust of architects, contractors, and builders worldwide through our reliable and high-quality waterproofing membranes. Our products have been successfully used in a wide range of projects, including residential, commercial, and industrial buildings, ensuring long-term protection against water damage.

SUPPORT and SERVICES

At SORCONS, we believe in providing comprehensive support to our customers. Our team of experienced professionals is available to assist with product selection, technical guidance, and application advice. We also offer training programs and workshops to ensure proper installation and maintenance of our waterproofing membranes.

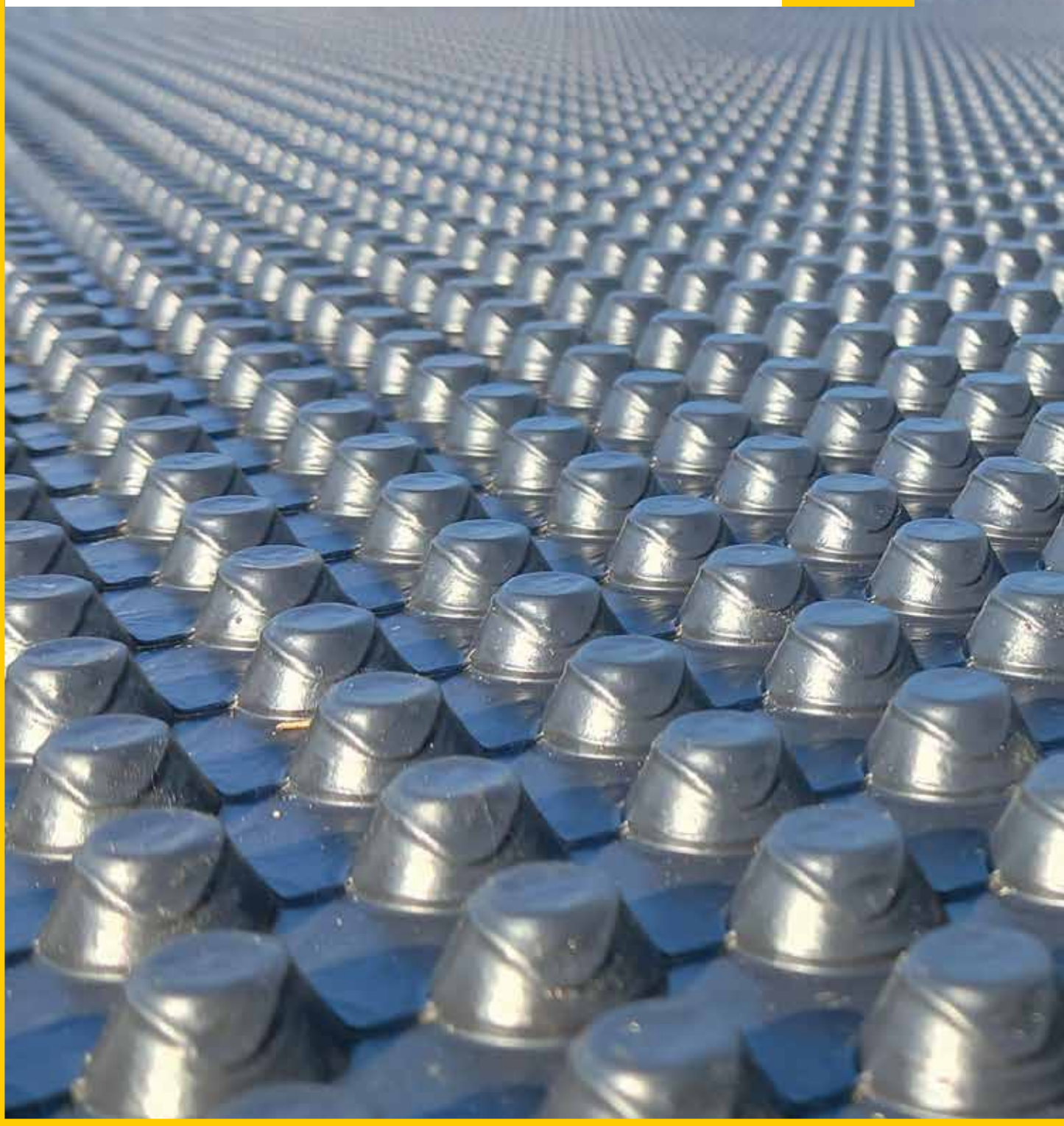
CONCLUSION

With a strong commitment to innovation, durability, and customer satisfaction, SORCONS has become a reputable manufacturer of high-quality waterproofing membranes. Our reliable products, supported by excellent customer service, have made us a preferred choice in the industry. Whether it's protecting roofs, basements, foundations, or other critical structures, you can rely on our expertise and advanced solutions.

Work on tough things. Because only the efforts for tough things are valuable.

SORCONS®

Dimpled Membrane



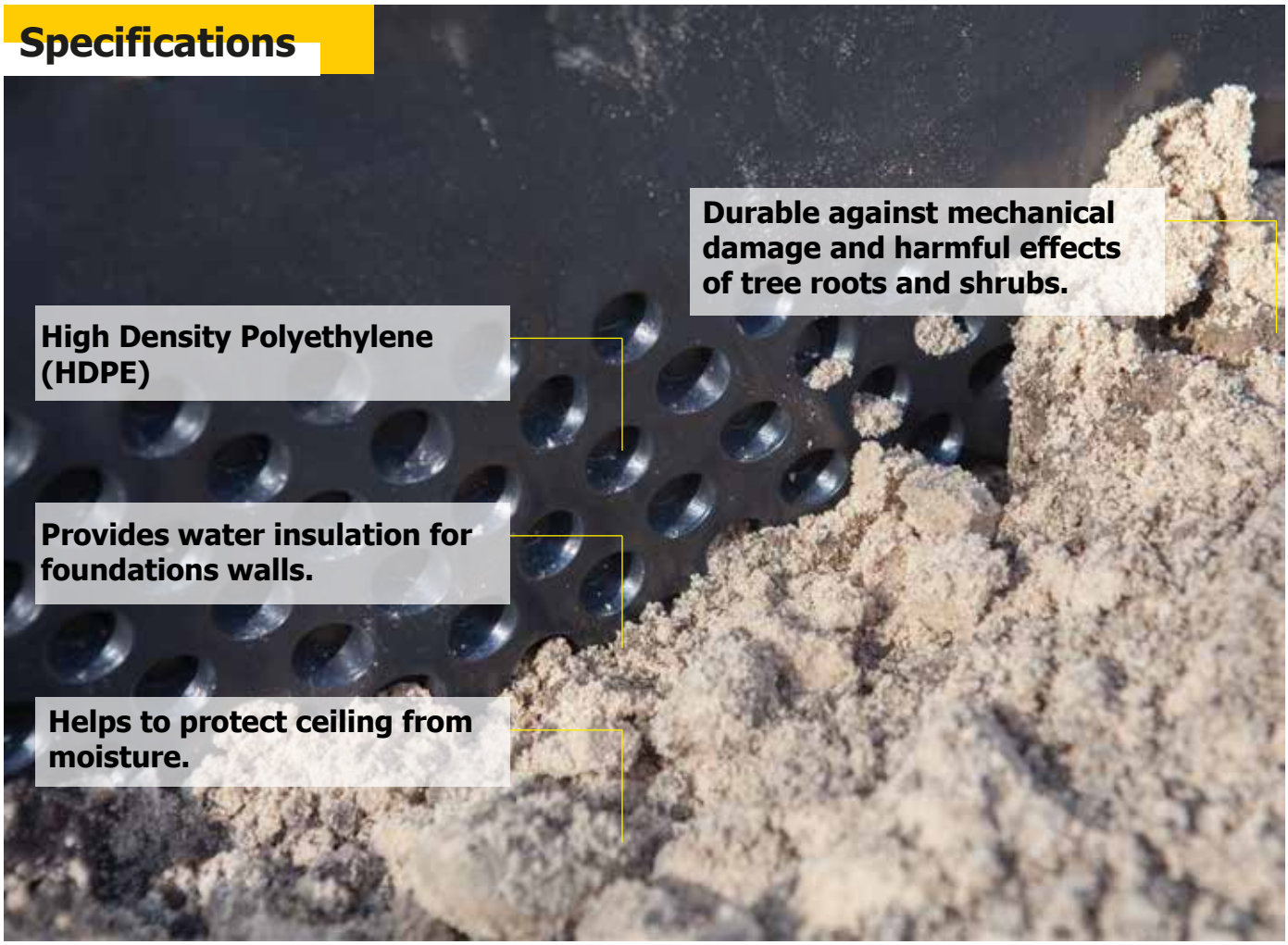
Specifications

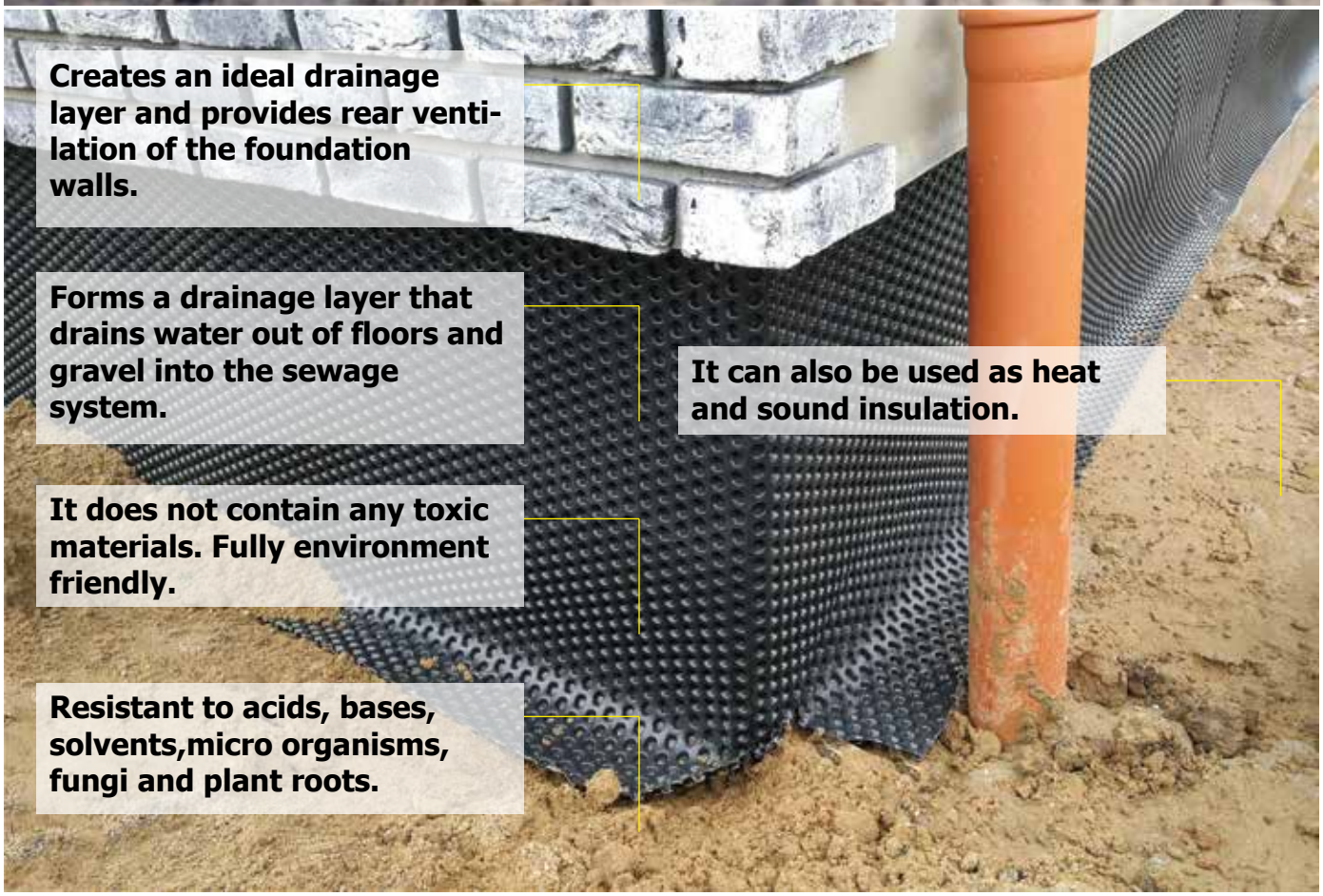
HDPE (High Density Polyethylene) dimpled membrane is specialized waterproofing membranes that feature a unique dimpled design.

It effectively protects structures against water intrusion. The dimpled design enhances drainage capacity by providing a clear path for water to flow away from the structure, preventing water buildup and potential damage.

It has a unique dimpled pattern that creates a continuous drainage space. These dimples create an air gap between the membrane and the foundation surface, facilitating the quick and efficient flow of water away from the structure.

Specifications





Where to be used?

Foundation Waterproofing: Exterior drainage layer to protect against water infiltration.

Basement Walls: Interior moisture management and drainage path.

Landscaping: Drainage and protection for green roofs, planter boxes, and gardens.

Sports Fields: Drainage to prevent water accumulation on playing surfaces.

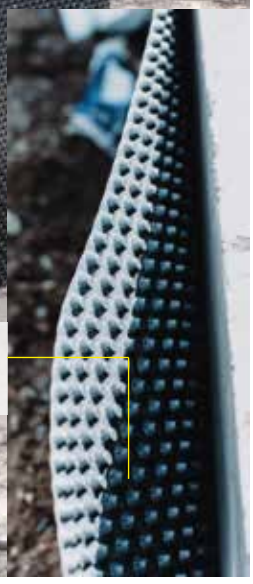
Tunnels: Water infiltration management and improved durability.

Roof Gardens: Drainage and protection for green roofs and underlying structures.

How to be used?

Should be used dowel pins to fix. Not be sticked or melted.

The dimples should face the wall.

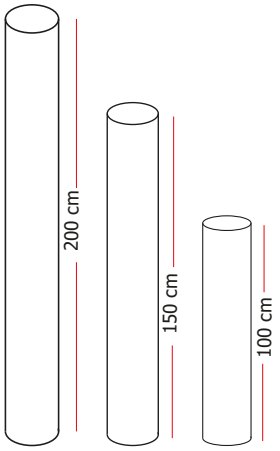


WARNING: In order to avoid deformation on the product surface, the roller should be opened near the application area and applied in a short time.

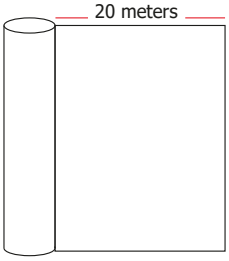
Technical Data

Data Type	Standard of Testing	Unit	Tolerance	SDM400	SDM500	SDM500
Material				HDPE	HDPE	HDPE
Roll Lenght	EN 1848-2	meter	(+-2,5%)	20	20	20
Roll Height	EN 1848-2	cm	(+-0,5%)	100-150 200	100-150 200	100-150 200
Area Weight	EN 1849-2	g/m²	(+-6 %)	400	500	600
Thickness	EN 1849-2	mm	(+-0,02%)	0,4	0,5	0,6
Number of Stats	TS 13732	n/m²		>1800	>1800	>1800
Resistance to Pressure	TS EN 826	kn/m²		150	200	250
Tearing Resistance	EN 12310-1	N	(+-30%)	180/200	200/240	220/260
Dimple Height		mm		8	8	8
Water Resistance	EN 1928		60 kPa	Passed	Passed	Passed
Temperature R.	EN1876-1	°C	min -30° to max +80°	Passed	Passed	Passed
Colour				Black	Black	Black
Hazardous Chemical	EN 1397 + A1			Non Toxic	Non Toxic	Non Toxic
Guarantee				20 Years	20 Years	20 Years
Pallet Units				20 Rolls	20 Rolls	16 Rolls

Roll Height
(Optional)



Roll Lenght



Info

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HDPE Geomembrane

Specifications

HDPE (High-Density Polyethylene) geomembranes have excellent impermeability, serving as an effective barrier against the movement of liquids, gases, and contaminants. They prevent the seepage of fluids, such as water, chemicals, and pollutants, which is crucial for environmental protection, containment systems and water management.

It is widely used in various applications, including environmental containment, landfill lining, mining, agriculture, and water management.

Highly durable and resistant to UV radiation, weathering, and biological degradation. They can withstand harsh environmental conditions, including temperature variations, moisture, and mechanical stress. This durability ensures long-term performance and reduces the need for frequent maintenance or replacement.

It is flexible and can conform to irregular surfaces, making them suitable for various installation conditions. They can be easily customized to fit different shapes and sizes, allowing for efficient and cost-effective installation in different applications.

Specifications

Cost-Effective: HDPE geomembranes offer cost advantages over other lining materials due to their durability, long lifespan, and low maintenance requirements.

It provides a reliable and long-term solution, reducing the need for frequent repairs or replacement. Additionally, the flexibility and ease of installation of HDPE geomembranes can contribute to reduced labor and installation costs.

Versatility: It can be used in a wide range of applications, including environmental containment, landfill lining, mining, agriculture, water management, and industrial storage. Its adaptability to different conditions and resistance to various substances make them suitable for diverse projects.

Puncture Resistance:
It has high puncture resistance, allowing them to resist damage from sharp objects or rocks that may be present in the underlying soil or water.

Where to be used?

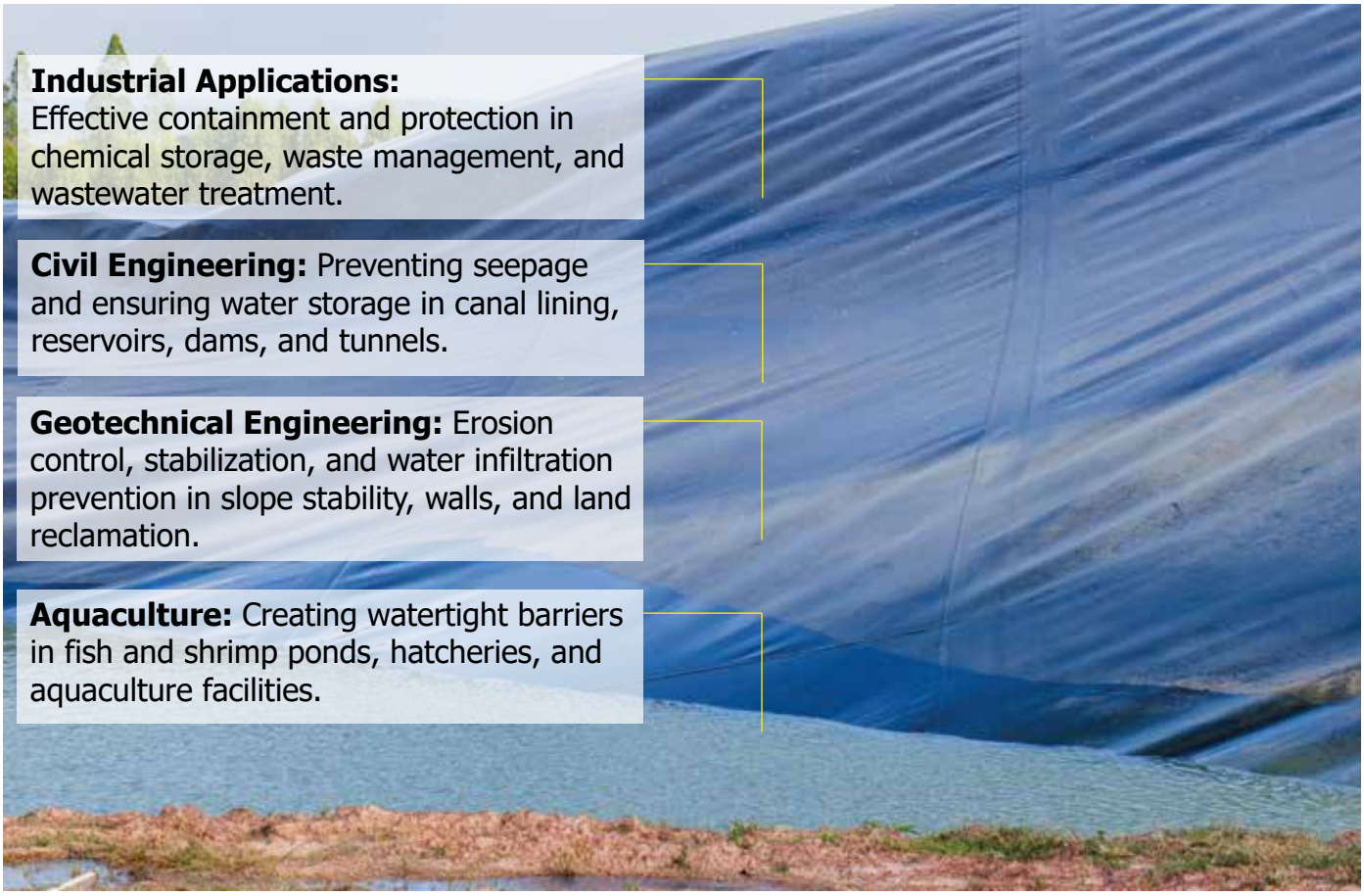
Environmental Containment: Preventing migration of contaminants in landfill lining and capping.

Mining: Containing harmful substances in tailings storage, heap leach pads, and acid mine drainage control.

Agriculture: Efficient water storage and prevention of seepage in irrigation canals, reservoirs, and ponds.

Water/Wastewater Management: Containing and managing liquids, sludges, and byproducts in treatment facilities, ponds, and lagoons.

Oil and Gas: Preventing release of hydrocarbons and contaminants in exploration, storage, and wastewater treatment.



Industrial Applications: Effective containment and protection in chemical storage, waste management, and wastewater treatment.

Civil Engineering: Preventing seepage and ensuring water storage in canal lining, reservoirs, dams, and tunnels.

Geotechnical Engineering: Erosion control, stabilization, and water infiltration prevention in slope stability, walls, and land reclamation.

Aquaculture: Creating watertight barriers in fish and shrimp ponds, hatcheries, and aquaculture facilities.

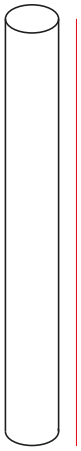
How to be used?

HDPE geomembranes can be easily welded using different techniques, such as hot wedge welding, extrusion welding, or fusion welding. This enables the creation of seamless liners, eliminating potential leakage points and ensuring reliable containment systems. Welded seams have high strength and integrity, enhancing the overall performance and lifespan of the geomembrane.

Technical Data

Data Type	**Test Standard**	**Unit**					
Thickness	EN1849-2	mm	**1,00**	**1,50**	**2,00**	**2,50**	**3,00**
Density	EN ISO 1183-1	gr/m³	0,935-0,965	0,935-0,965	0,935-0,965	0,935-0,965	0,935-0,965
Mass per Unit Area	EN1849-2	gr mm²	940	1410	1880	2350	2820
Tensile Strenght in Flow	EN ISO 527	N/mm²	>16	>16	>16	>16	>16
Elongation in Flow	EN ISO 527	%	>12	>12	>12	>12	>12
Tensile strenght at break	EN ISO 527	N/mm²	>26	>26	>26	>26	>26
Elongation Rate at Break	EN ISO 527	%	>700	>700	>700	>700	>700
Tear Strength	ISO 34-1	N/mm	>130	>140	>140	>140	>140
Shear Strenght	EN1849-2	gr/m²	940	1410	1880	2350	2820
Peel Strenght	ASTM 6392	N/25mm	350	525	701	876	1050

Roll Height
(Optional)



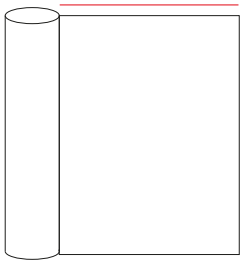
Rolls can be produced in any requested height from 2,10 meters to 7,00 meters.

min 2,10 m
max 7,00 m

Roll Lenght
(Optional)

Rolls can be produced in any requested lenght from 50 meters to 100 meters.

min 50 m
max 100 m



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PVC Geomembrane

Specifications

PVC (Polyvinyl Chloride) geomembranes are widely used in various applications, including roofing, waterproofing, and lining systems.

They are designed to withstand exposure to the elements, including UV radiation, extreme temperatures, and chemicals.They are typically formulated with stabilizers and additives to ensure long-term durability.

The material is resistant to temperatures between -40C and +70 C.

PVC geomembranes can be manufactured with different types, dimensions and colors.

Types

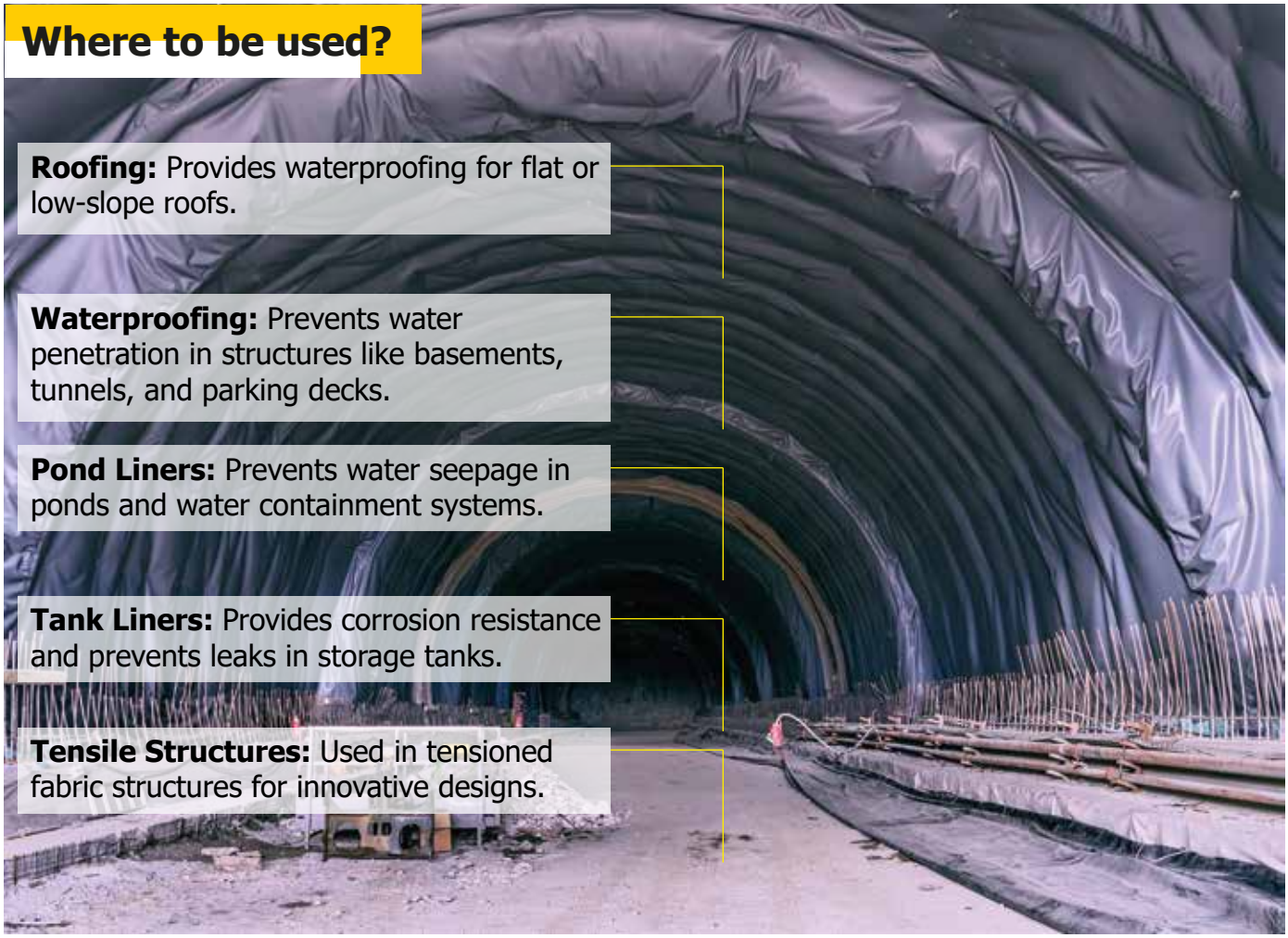
PVC Geomembrane with Signal Layers (For Tunnels)

Uv resistant PVC Geomembrane (For Roofs)

Flat Type PVC Geomembrane

Antibacterial PVC Geomembrane (For Swimming Pools)

Where to be used?



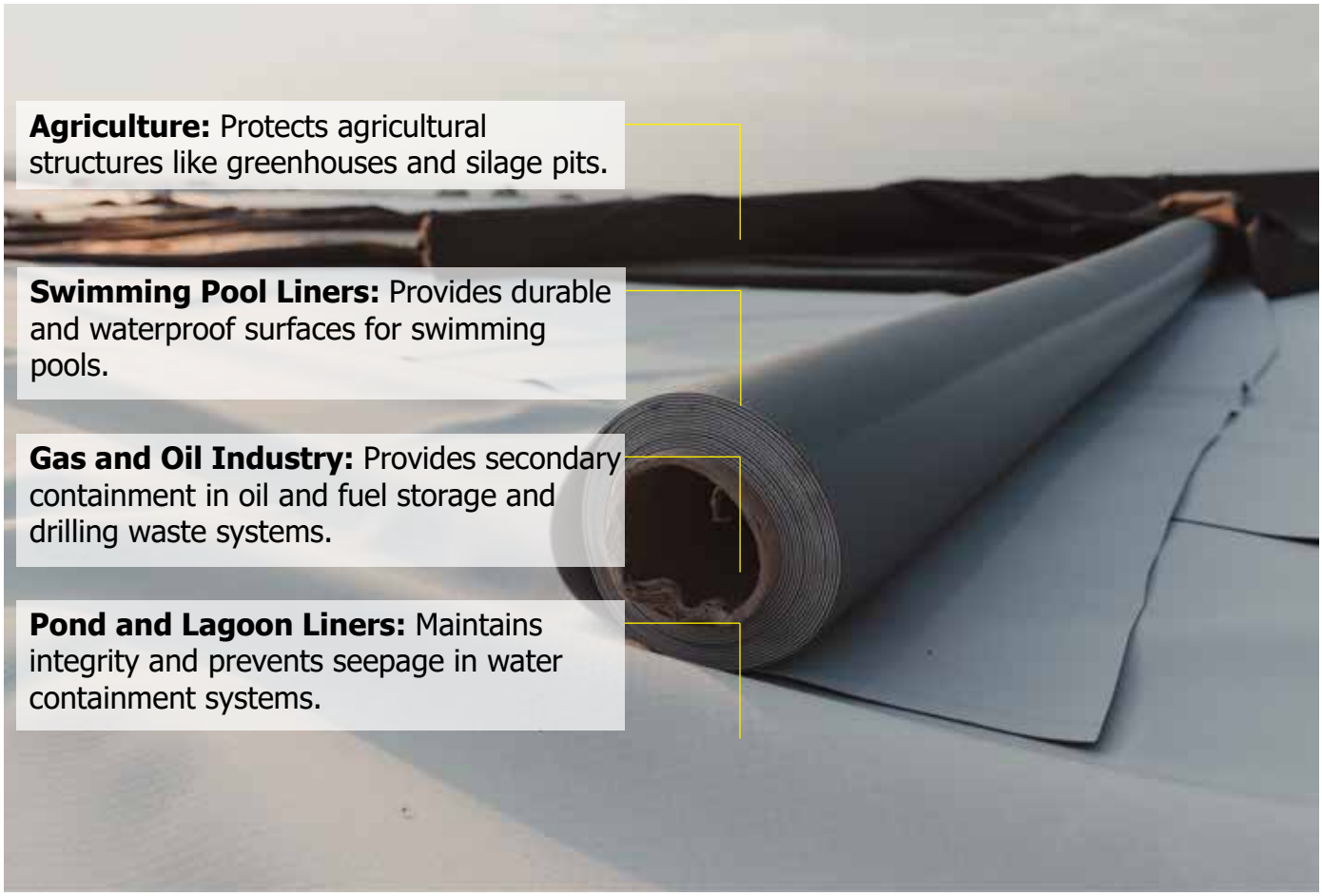
Roofing: Provides waterproofing for flat or low-slope roofs.

Waterproofing: Prevents water penetration in structures like basements, tunnels, and parking decks.

Pond Liners: Prevents water seepage in ponds and water containment systems.

Tank Liners: Provides corrosion resistance and prevents leaks in storage tanks.

Tensile Structures: Used in tensioned fabric structures for innovative designs.



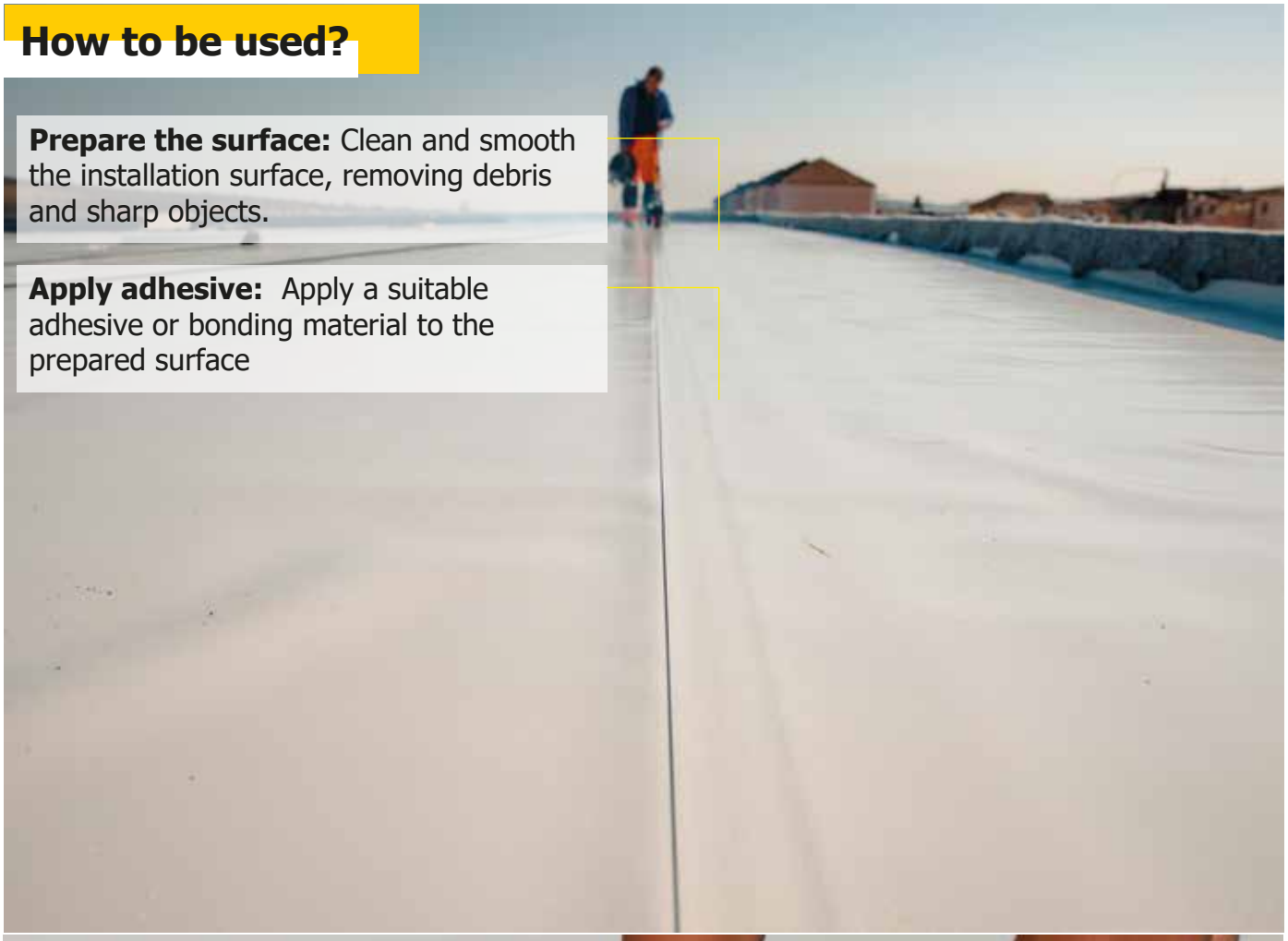
Agriculture: Protects agricultural structures like greenhouses and silage pits.

Swimming Pool Liners: Provides durable and waterproof surfaces for swimming pools.

Gas and Oil Industry: Provides secondary containment in oil and fuel storage and drilling waste systems.

Pond and Lagoon Liners: Maintains integrity and prevents seepage in water containment systems.

How to be used?



Prepare the surface: Clean and smooth the installation surface, removing debris and sharp objects.

Apply adhesive: Apply a suitable adhesive or bonding material to the prepared surface

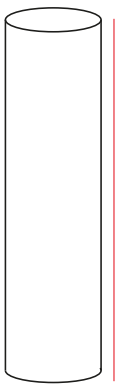
Weld seams: Heat-weld overlapping edges with a hot-air gun or automatic welder to create strong, watertight seams.

Secure edges: Ensure proper sealing and secure the edges of the membrane.

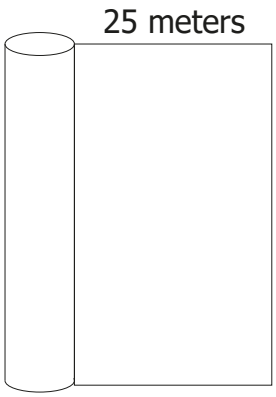
Technical Data

Data Type	Data Limits	Standard of Testing
Thickness	1,00 mm minimum	DIN 53370
Tensile Strenght	15 N/mm² minimum	DIN 53455
Elongation at Break	%250 minimum	DIN 53455
Break Resistance at 20% Unit Elongation	2,5 N/mm²	DIN 53454
Spread Tear Strenght	100 N/mm minimum	DIN 53363
Water Pressure Strenght	At 10 Bar For 10 Hours	DIN 16726
Welded Joint Strenght	13,5 N/mm² minimum	DIN 16726
Dimensional Stability After Rapid Aging	±%2 maksimum	DIN 16726
Material Properties During and After 80ºC Storage		DIN 16726
a. Overview	No Bubbles	
b. Dimensional stability, longitudinal and transverse	<-%3	
c. Change in tensile strength, longitudinal and transverse	<±%20	
d. Change in Elongation at break, longitudinal and transverse	<±%20	
e. Folding At -20 ºC	No Cracks	
Changes After Stored in Acid And/Or Alcaline Solutions:		DIN 16726
a. Change in tensile strength, longitudinal and transverse	<±%20	
b. Change in Elongation Per Unit	100 N/mm minimum	DIN 53363
c. Folding at -20 ºC	No Cracks	
Shear Resistance, Bitumen Annex	100 N / 50 mm	DIN 16726
Punching Test Behaviours	No Punching at 750mm Height	DIN 50014
Water Absorption	Max. %1	DIN 53495

Roll Height
(Optional)



Roll Lenght
(Optional)



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EPDM Geomembrane

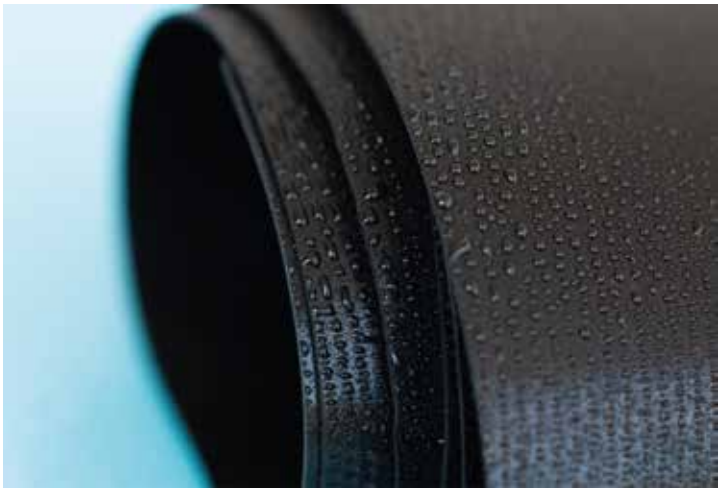
Specifications

EPDM (Ethylene Propylene Diene Monomer) geomembranes are synthetic rubber membranes commonly used in various applications, including waterproofing, containment, and environmental protection.

They are known for their high elongation at break, which allows them to stretch without tearing.

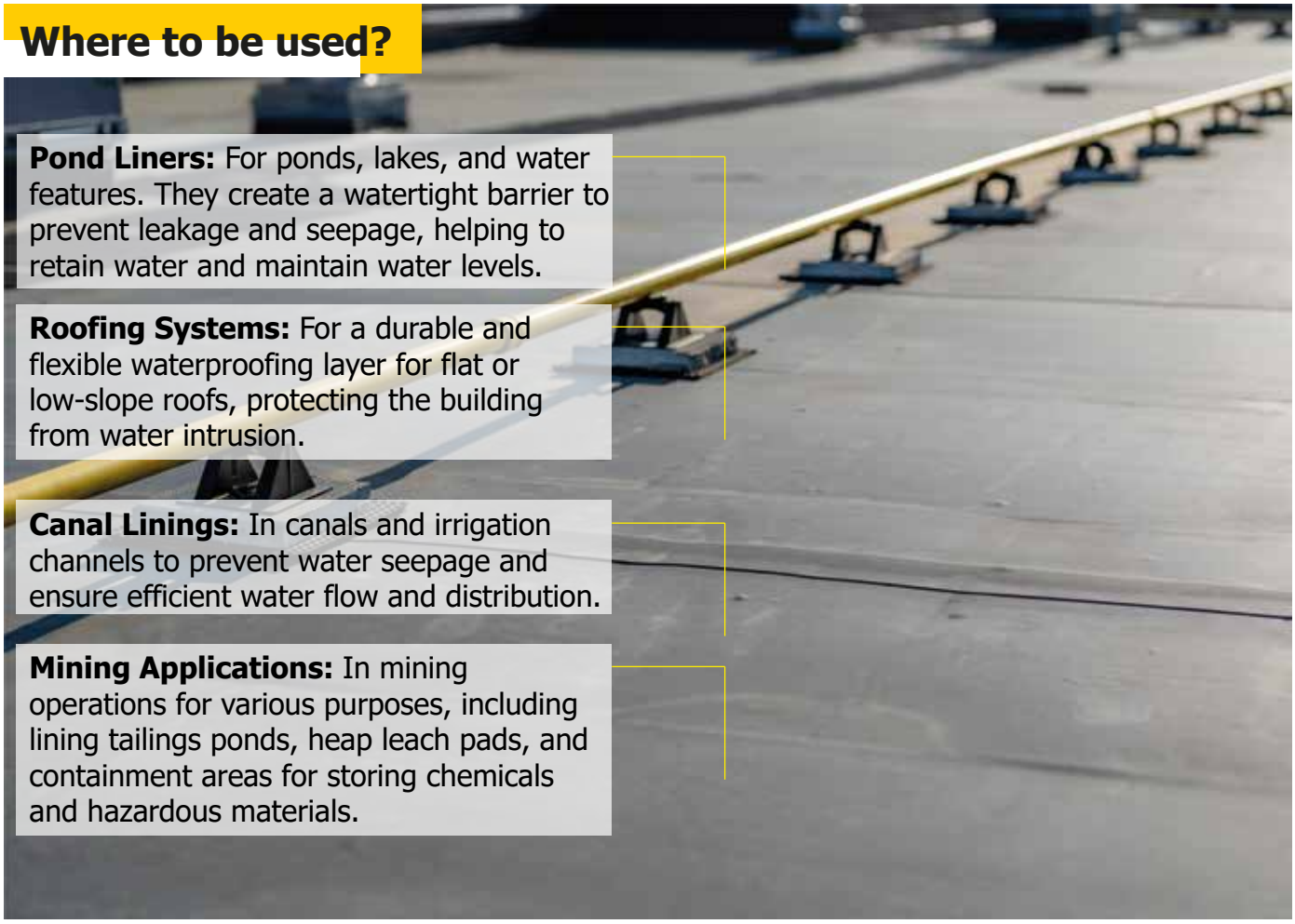
Having excellent temperature resistance, with a typical service temperature range of -40°C (-40°F) to 120°C (248°F). EPDM Geomembrane allows them to withstand extreme hot and cold temperatures without degradation.

EPDM Geomebrane exhibits excellent resistance to a wide range of chemicals, including acids, alkalis, and various organic compounds.



The versatility, durability, and waterproofing properties of EPDM make it suitable for a wide range of applications requiring reliable containment and protection against water and contaminants.

Where to be used?

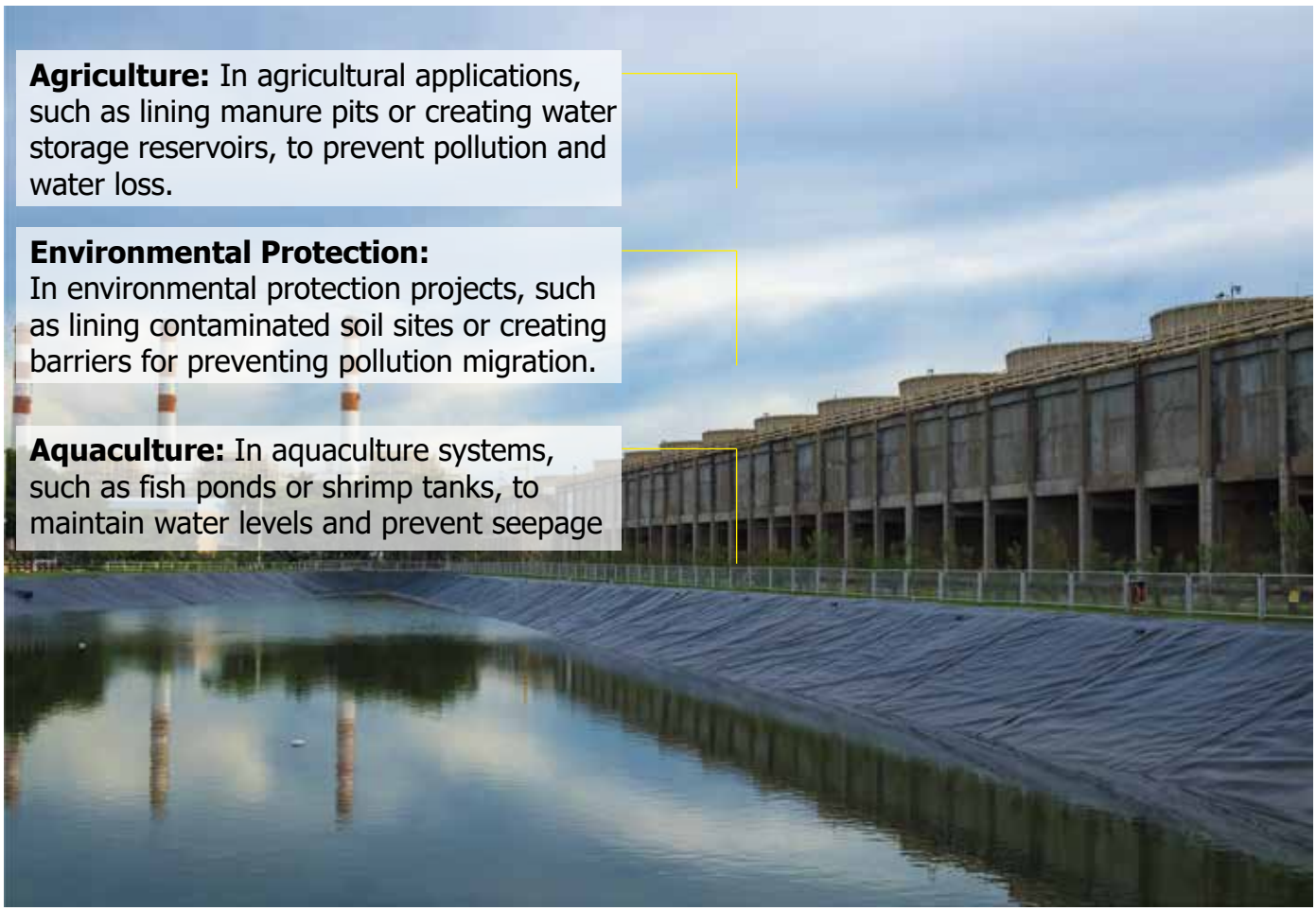


Pond Liners: For ponds, lakes, and water features. They create a watertight barrier to prevent leakage and seepage, helping to retain water and maintain water levels.

Roofing Systems: For a durable and flexible waterproofing layer for flat or low-slope roofs, protecting the building from water intrusion.

Canal Linings: In canals and irrigation channels to prevent water seepage and ensure efficient water flow and distribution.

Mining Applications: In mining operations for various purposes, including lining tailings ponds, heap leach pads, and containment areas for storing chemicals and hazardous materials.



Agriculture: In agricultural applications, such as lining manure pits or creating water storage reservoirs, to prevent pollution and water loss.

Environmental Protection:
In environmental protection projects, such as lining contaminated soil sites or creating barriers for preventing pollution migration.

Aquaculture: In aquaculture systems, such as fish ponds or shrimp tanks, to maintain water levels and prevent seepage

How to be used?

Loose Laid: Simply placed on the surface without adhesives. Common for large-scale applications like pond or landfill liners.

Adhesive Bonding: Bonded to the substrate with specialized adhesives, ensuring proper alignment and avoiding wrinkles.

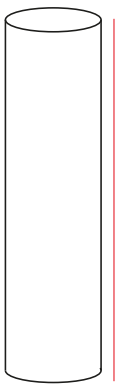
Mechanical Attachment: Secured using fasteners like screws, bolts, or nails, often used in roofing systems.

Heat Welding: Geomembranes are fused together using heated tools for a strong and watertight seam.

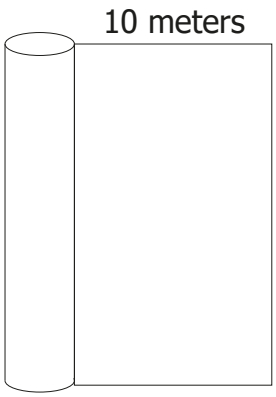
Technical Data

Standard of Testing	Purpose of Testing		
TS EN 1850-2	Visible defects	Tested	Passed
TS EN 1848-2	Lenght	Tested	Passed
TS EN 1848-2	Width	Tested	Passed
TS EN 1849-2	Thickness	Tested	Passed
TS EN 1849-2	Mass per unit area	Tested	Passed
TS EN 1928 (METOD B) – EN 14150	Water-tightness	Tested	Passed
TS EN 12691	Resistance to impact	Tested	Passed
TS EN 1296TS EN 1928 (METOD B)	Resistance	Tested	Passed
TS EN 1847TS EN 1928 (METOD B)	Resistance to chemcals	Tested	Passed
TS EN 12310-1	Tear resistance	Tested	Passed
TS EN 12317-2	Welded joint resistance	Tested	Passed
TS EN 12730 (METOD B)	Resistance to staticloads	Tested	Passed
TS EN 12311-2	Tensile properties	Tested	Passed
TS EN 12311-2	Elongation at break	Tested	Passed
EN ISO 527	Tensile strength	Tested	Passed
EN ISO 12236	Resistance to static punching	Tested	Passed
EN 12224	Resistance to weather conditions	Tested	Passed
EN 14575	Resistance to oxidation	Tested	Passed
ASTM D 1434	Gas thightness	Tested	Passed
TS EN 12317-2	Resistance to peeling	Tested	Passed
TS EN 1847 - TS EN 1928	Resistance to alkalis	Tested	Passed
TS EN 13501	Combustion class	Tested	Passed
TS EN 1931	Water vapour permeability feature	Tested	Passed

Roll Height



Roll Lenght



Shipment

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Bituminous Membrane

Specifications

Bituminous membrane is typically made of modified bitumen, which is a blend of asphalt/bitumen and polymers.

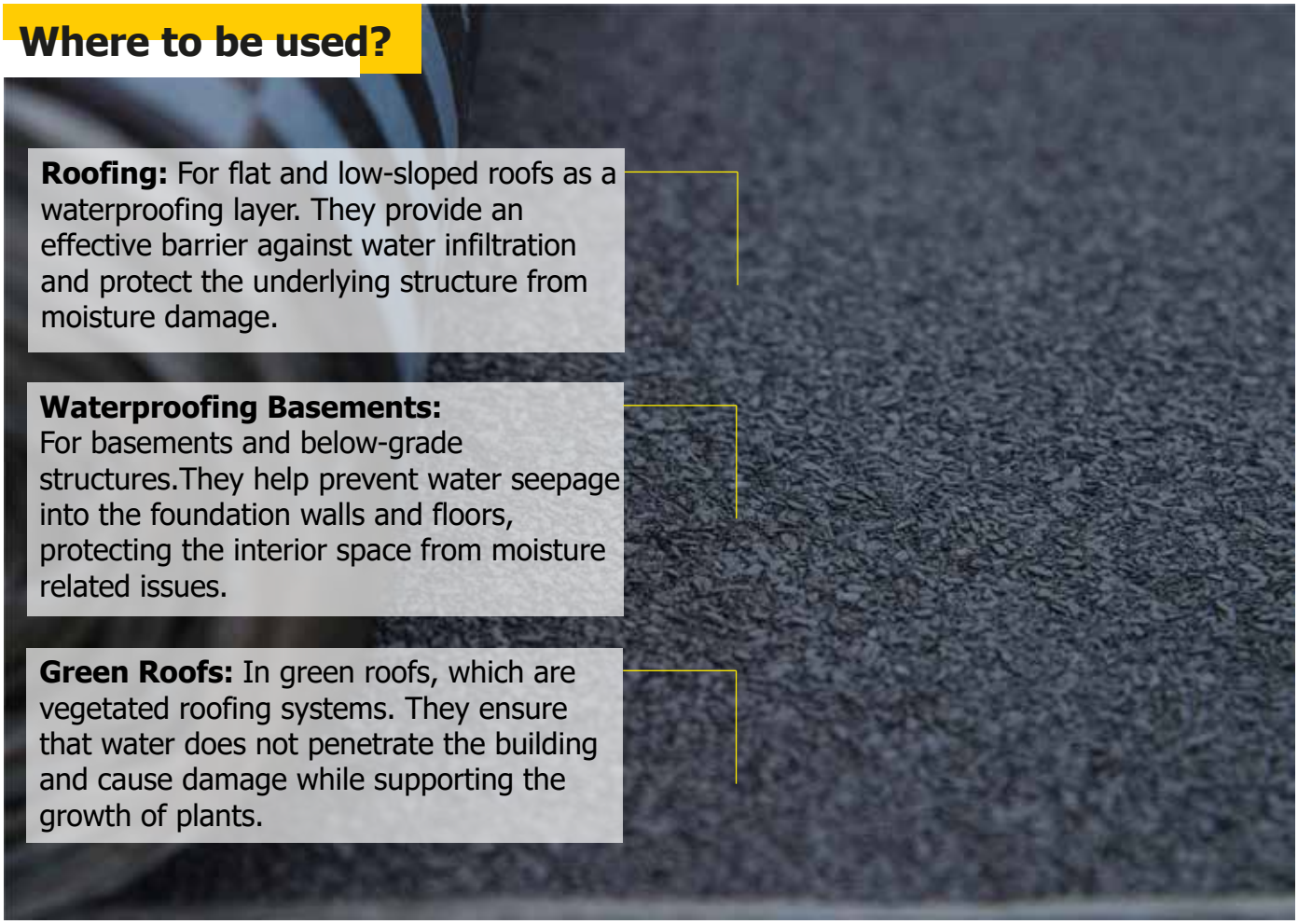
The thickness of bituminous membrane can range from 1.5 mm to 4 mm depending on the intended use and required performance.

Bituminous membranes are reinforced with materials such as fiberglass or polyester. The reinforcement enhances the strength and dimensional stability of the membrane.

Bituminous membranes are designed to provide excellent waterproofing properties.They should have a high resistance to water penetration and be capable of forming a durable barrier against moisture.

Bituminous membranes are sufficient flexibility to accommodate structural movements and temperature variations without cracking or delaminating.

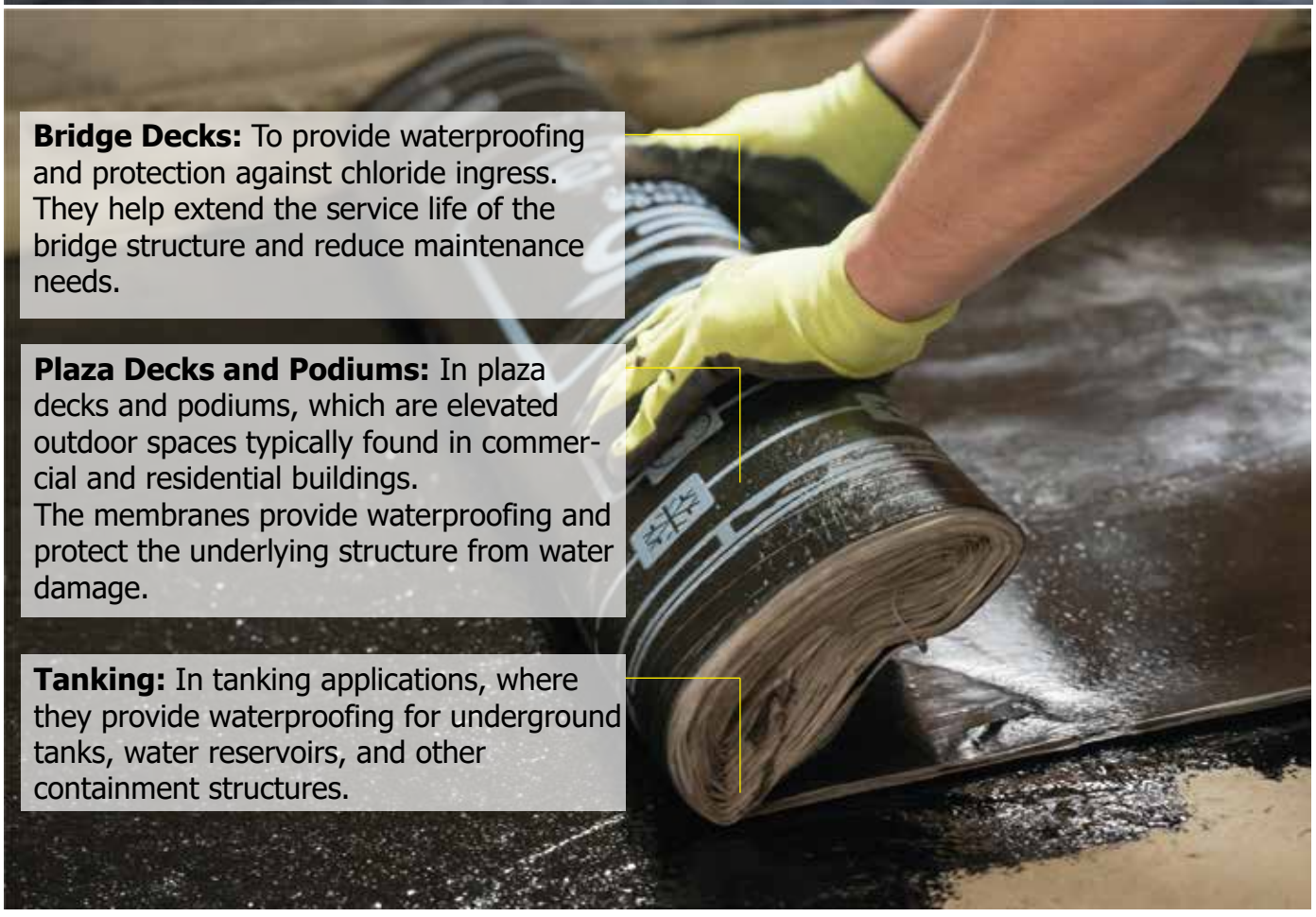
Where to be used?



Roofing: For flat and low-sloped roofs as a waterproofing layer. They provide an effective barrier against water infiltration and protect the underlying structure from moisture damage.

Waterproofing Basements: For basements and below-grade structures.They help prevent water seepage into the foundation walls and floors, protecting the interior space from moisture related issues.

Green Roofs: In green roofs, which are vegetated roofing systems. They ensure that water does not penetrate the building and cause damage while supporting the growth of plants.

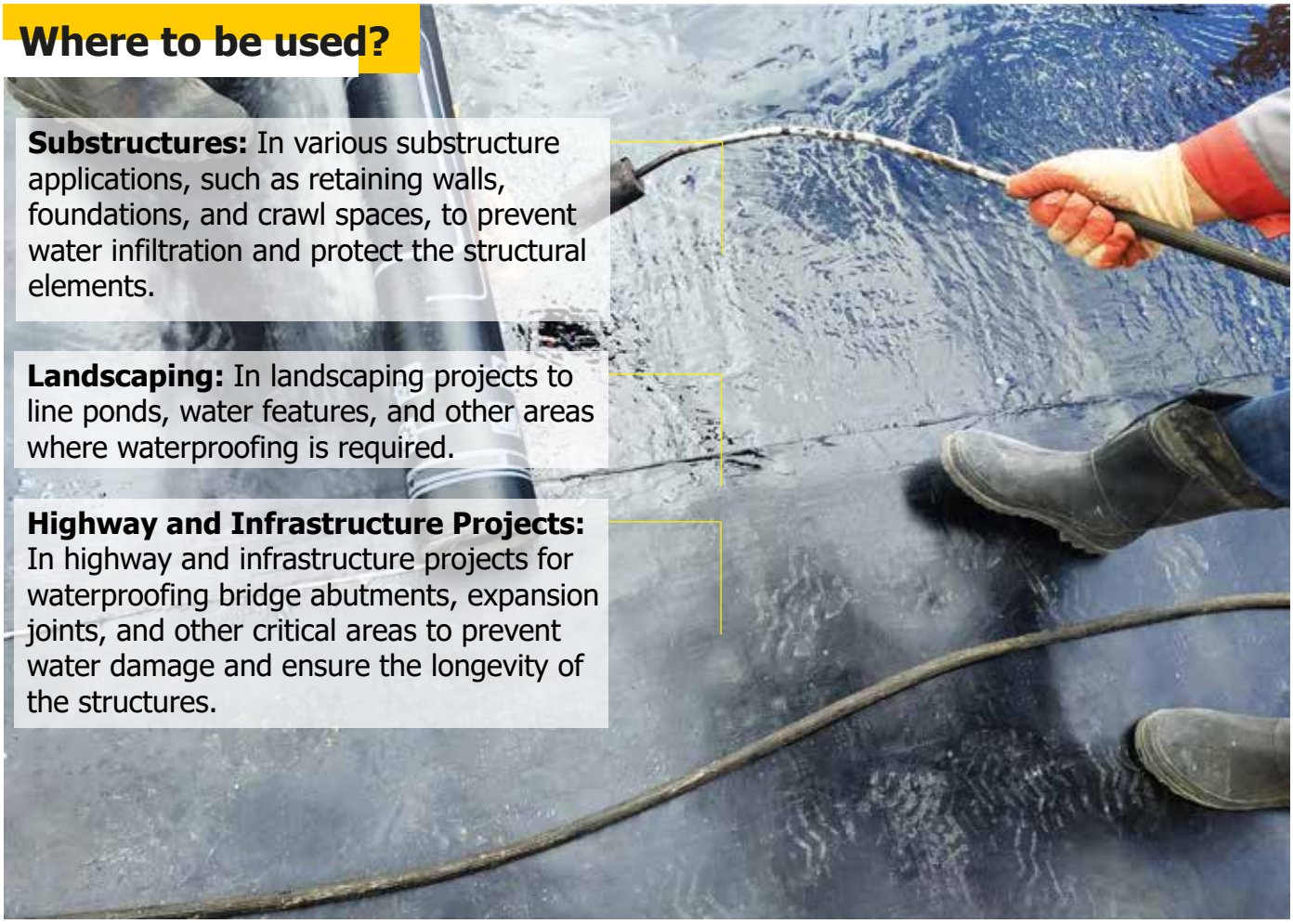


Bridge Decks: To provide waterproofing and protection against chloride ingress. They help extend the service life of the bridge structure and reduce maintenance needs.

Plaza Decks and Podiums: In plaza decks and podiums, which are elevated outdoor spaces typically found in commercial and residential buildings.
The membranes provide waterproofing and protect the underlying structure from water damage.

Tanking: In tanking applications, where they provide waterproofing for underground tanks, water reservoirs, and other containment structures.

Where to be used?



Substructures: In various substructure applications, such as retaining walls, foundations, and crawl spaces, to prevent water infiltration and protect the structural elements.

Landscaping: In landscaping projects to line ponds, water features, and other areas where waterproofing is required.

Highway and Infrastructure Projects: In highway and infrastructure projects for waterproofing bridge abutments, expansion joints, and other critical areas to prevent water damage and ensure the longevity of the structures.

How to be used?

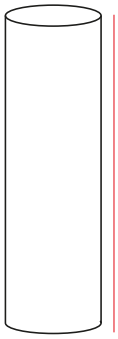
Surface Preparation: The substrate surface should be clean, dry, and free from any debris or contaminants. It may require priming or leveling, depending on the specific membrane and substrate.

Membrane Application: It is fully adhered to the surface with the torch flame, leaving a margin of 10 cm at the joints and 15 cm at the ends of the roll.

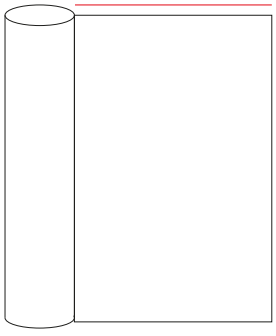
Technical Data

Specification	SMF 300	SMP 300	SMP 400
Reinforcement	Fiberglass	Polyester	Polyester
Modified	APP	APP	APP
Thickness	3 mm (+-0,2)	3 mm (+-0,2)	4 mm (+-0,2)
Flow Resistance	>120 C°	>120 C°	>120 C°
Cold Belding	-10 C°	-10 C°	-10 C°
Tensile Strenght	400/300 (N/5 cm)	800/600 (N/5 cm)	800/600 (N/5 cm)
Elongation at Break	2/2 %	35/35 %	35/35 %
Upper Surface Coating	PE	PE/ Sand	PE/ Sand
Sub Surface Coating	PE	PE	PE
Roll Size (W X L)	1 X 10 m	1 X 10 m	1 X 10 m
Roll Weight	38 kg	38 kg	44 kg

Roll Height



Roll Lenght



Shipment

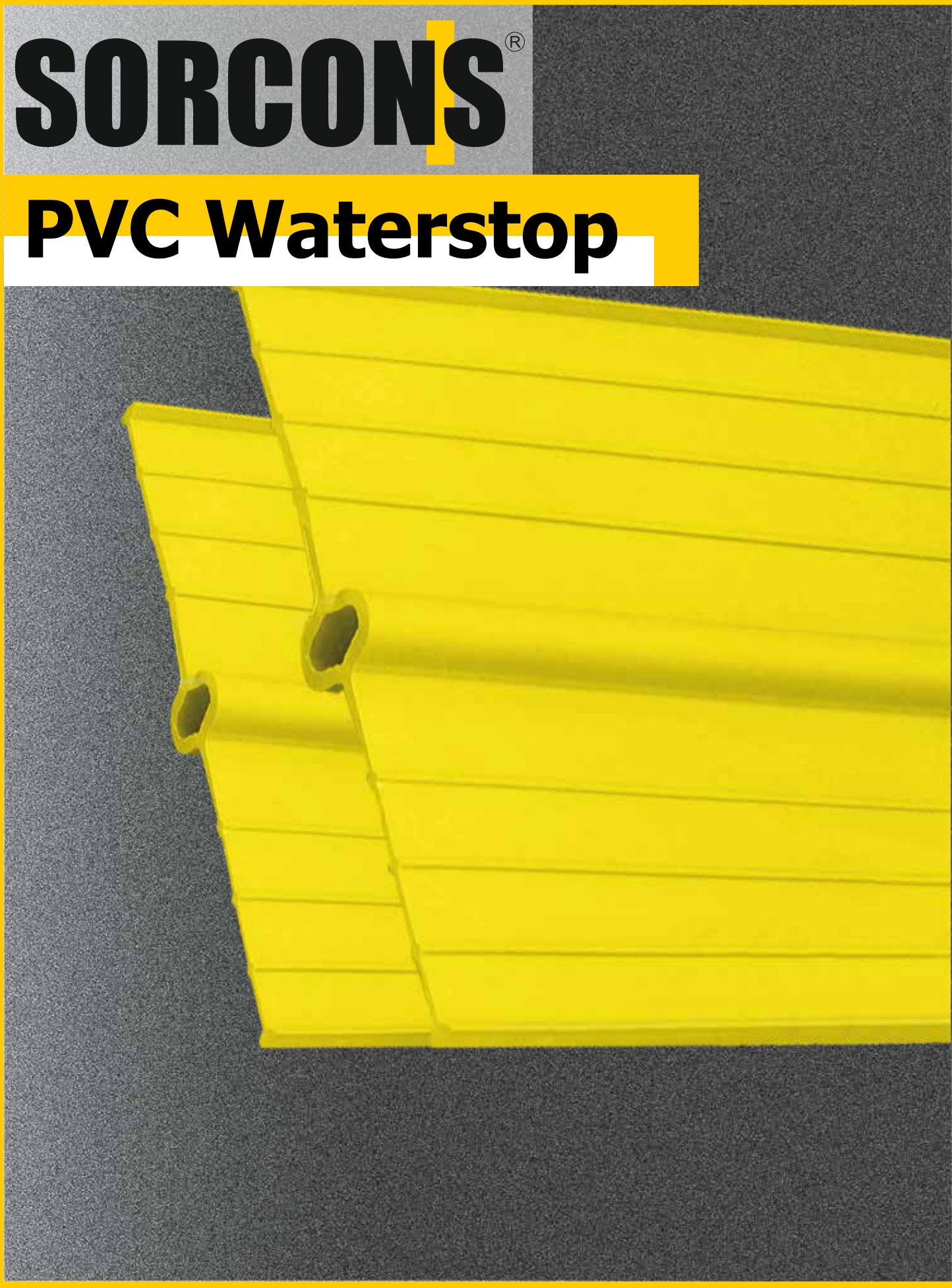
HS CODE:
6807.10.00.00.00

Sampling is available for this product. Contact with sales@sorcons.com to ask sample.

Download

SORCON S®

PVC Waterstop



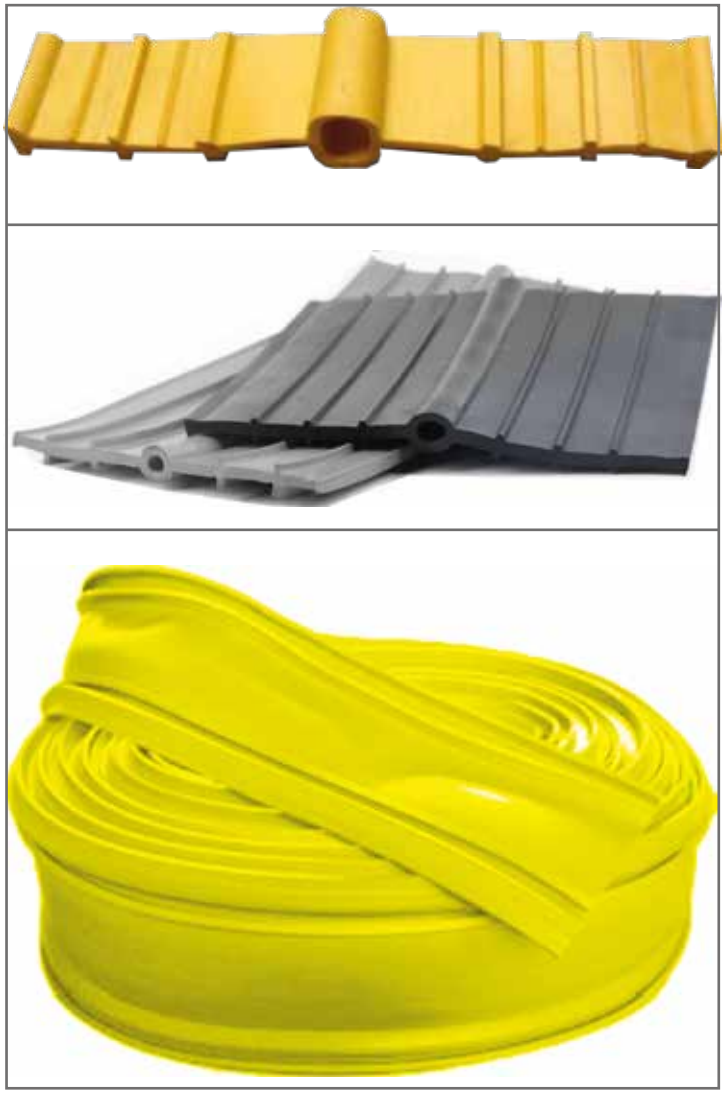
Specifications

PVC waterstops (Polyvinyl Chloride) are used in construction projects to provide a watertight seal and prevent the passage of water through joints or cracks in concrete structures. They are produced a durable and flexible thermoplastic polymer.

They are typically available in various shapes, including straight lengths, intersections, corners, and T-sections. The size and dimensions can vary depending on the application and project requirements.

PVC waterstops have a specific profile design to enhance their effectiveness in preventing water leakage. Common profiles include ribbed, bulb, or dumbbell shapes, which create a compression seal when embedded in concrete joints.

These are engineered to possess both strength and flexibility to accommodate movement and settlement in concrete structures. They should be able to withstand hydrostatic pressure, seismic activity, and temperature variations without losing their sealing properties.



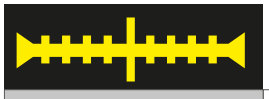
Types

TIP A

Width (cm)	15	15	15	15	15	15	20	20	23	23	25	25	25	30	30	30	30	35	35	40	40	50	---	---
Thickness (mm)	4	5	6	7	8	10	5	7	7	10	6	7	10	6	7	9	10	8	10	10	12	12	---	---

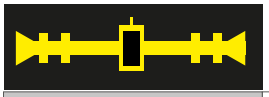
TIP B

Width (cm)	10	10	15	15	15	15	20	20	20	23	25	25	25	30	30	30	30	35	35	35	40	40	---	---
Thickness (mm)	4	5	6	7	8	10	6	8	10	10	5	6	8	10	6	8	10	6	8	10	10	12	---	---



TIP 1

Width (cm)	10	10	10	15	20	20	20	20	25	25	25	25	25	30	30	30	30	30	32	32	32	---	---	---
Thickness (mm)	3	4	5	4	4	5	6	8	4	5	6	8	10	4	5	6	7	8	6	8	10	---	---	---



TIP OL

Width (cm)	20	20	20	25	25	25	25	30	30	30	30	32	32	32	35	35	40	40	40	50	50	50	---	---
Thickness (mm)	5	6	7	6	8	10	7	8	9	10	5	8	10	8	9	10	8	10	12	8	10	12	---	---

TIP M

Width (cm)	15	15	15	20	20	20	20	25	25	25	25	25	30	30	30	32	32	32	35	35	35	35	40	40
Thickness (mm)	3	4	5	4	5	6	8	4	5	6	8	10	5	6	7	6	8	10	6	7	8	10	8	10

TIP V

Width (cm)	10	10	10	15	15	15	20	20	20	20	20	25	25	25	25	30	30	30	30	35	35	35		
Thickness (mm)	3	4	5	3	4	5	4	5	6	7	8	4	5	6	8	4	5	6	8	6	8	10		

TIP DT

Width (cm)	15	15	20	20	20	25	25	25	25	30	30	30	35	35	35	40	40	40						
Thickness (mm)	3	5	4	6	8	4	5	6	8	4	6	8	4	6	8	6	8	10						

TIP DO

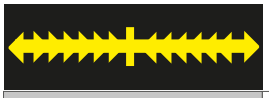
Width (cm)	15	15	20	20	20	25	25	25	25	25	30	30	30	35	35	35	40	40	45					
Thickness (mm)	3	5	4	6	8	4	5	6	8	10	4	6	8	4	6	8	6	8	10					

TIP DI

Width (cm)	15	15	20	20	20	25	25	25	30	30	30	35	35	35	40	40	40							
Thickness (mm)	3	4	5	6	8	4	6	10	4	6	8	4	6	8	6	8	10							

TIP O

Width (cm)	15	15	15	20	20	20	22	22	22	26	26	26	32	32	32									
Thickness (mm)	3	4	5	13	14	15	4	5	6	4	5	6	4	5	6									

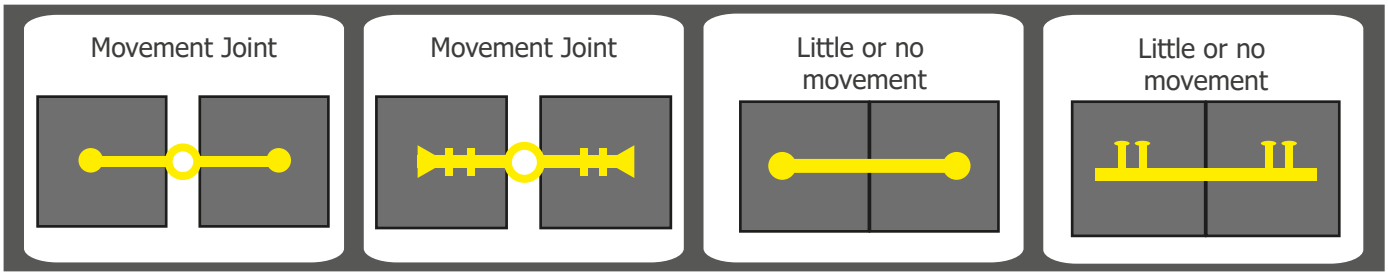


TIP AK

Width (cm)	15	15	15	20	20	20	24	24	24	24														
Thickness (mm)	3	4	5	3	4	5	3	4	5	6														

Where to be used?

Concrete structures like basements, swimming pools, and tunnels.
Civil engineering projects such as bridges, culverts, and canals.
Infrastructure projects like highways, airports, and railway stations.
Hydraulic structures like water treatment plants and reservoirs.
Industrial facilities dealing with chemicals or wastewater.
Residential and commercial buildings for waterproofing.
Retrofitting and rehabilitation projects for enhancing waterproofing.



Technical Data

Data Type	Data Limits
SPECIFIC GRAVITY	1,27 (0,03) g/cm
TENSILE STRENGHT	20 kN
ELONGATION RATE	%295 ort. , %225 min.
ASH RATE	%5 (max) according to weight
WATER ABSORPTION RATE	%1 (max) according to weight
HARDNESS ASTM D 2240	75(±5) Shore "A"
SERVICE TEMPERATURE	(-15 °C / +50 °C)

Product Shape	Roll Lenght	Info	Download Softcopy
As given on specifications.	This product can be produced in various roll length sizes	HS CODE: 3920.49.90.00.00 Sampling is available for this product. Contact with sales@sorcons.com to ask sample.	

SORCONS®

Geotextile

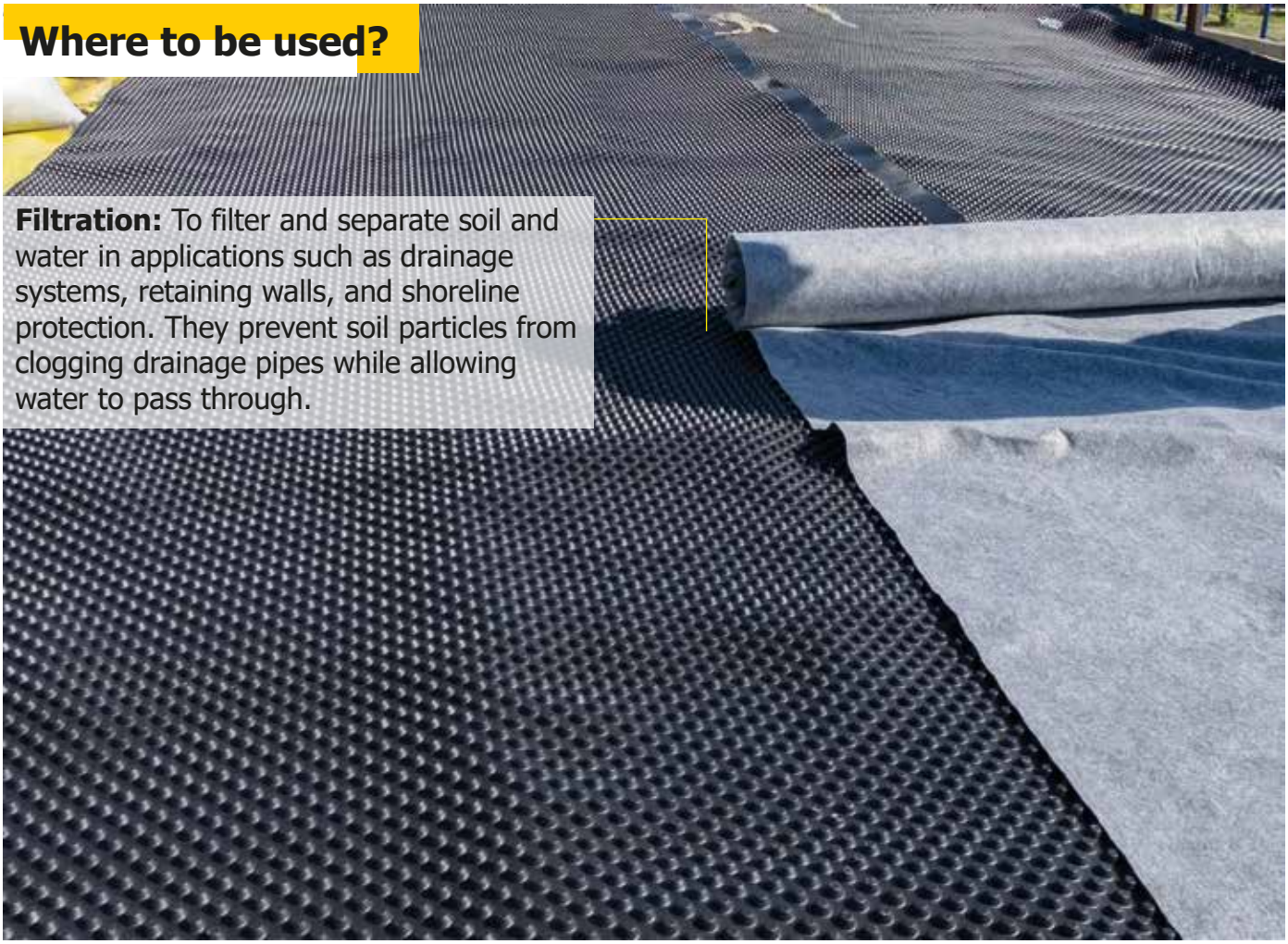
Specifications

Geotextiles are typically made from synthetic fibers such as polypropylene, polyester, or polyethylene. The choice of material depends on the desired properties and application of the geotextile.

Due to its perfect mechanical and durable structure it provides perfect solutions for civil engineering applications like waterproofing, separation, filtration and protection properties.
Geotextiles have a specific thickness, which influences factors such as filtration performance separation capability, and protection characteristics.

Geotextiles have both tensile strength and puncture resistance. Tensile strength measures the ability of the geotextile to withstand pulling forces, while puncture resistance indicates its resistance to being penetrated by sharp objects.

Where to be used?



Filtration: To filter and separate soil and water in applications such as drainage systems, retaining walls, and shoreline protection. They prevent soil particles from clogging drainage pipes while allowing water to pass through.

Protection: Geotextiles offer protection to underlying materials against damage caused by mechanical or hydraulic forces. They can be used as a cushioning layer under geomembranes in landfill liners, as a protective barrier for geomembranes against punctures, or as a protective layer for geomembranes in pond or reservoir applications

Technical Data

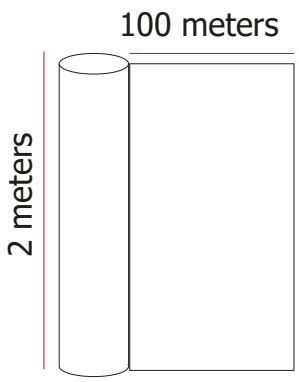
	Weight	Thickness	Tensile Resistance	Elongation Resistance	Static Loading	Dynamic Loading	Water Penetration	Pore Size
Standand of Testing	TS EN ISO 9864	TS EN ISO 9863-1	TS EN ISO 10319	TS EN ISO 10319	TS EN ISO 12236	TS EN ISO 13433	TS EN ISO 11058	TS EN ISO 12956
Product	g/m²	mm	kN/m	%	N	mm	m/s	mm
GEO1000	100	1,00	6	50-80	800	30	0,100	0,14
GEO1500	150	1,30	7	50-80	1500	28	0,090	0,14
GEO2000	200	1,50	10	50-80	2000	26	0,080	0,13
GEO2500	250	1,80	13	50-80	2500	24	0,070	0,13
GEO3000	300	2,00	15	50-80	3000	20	0,060	0,12

Product Types
(Optional)

Can be made from;
- Polyester,
- Polypropylene,
- Recycled

Colour options are;
- White
- Grey

Roll Size



Info

HS CODE:
56.02.90.00.00.00

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