SORCONS®

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

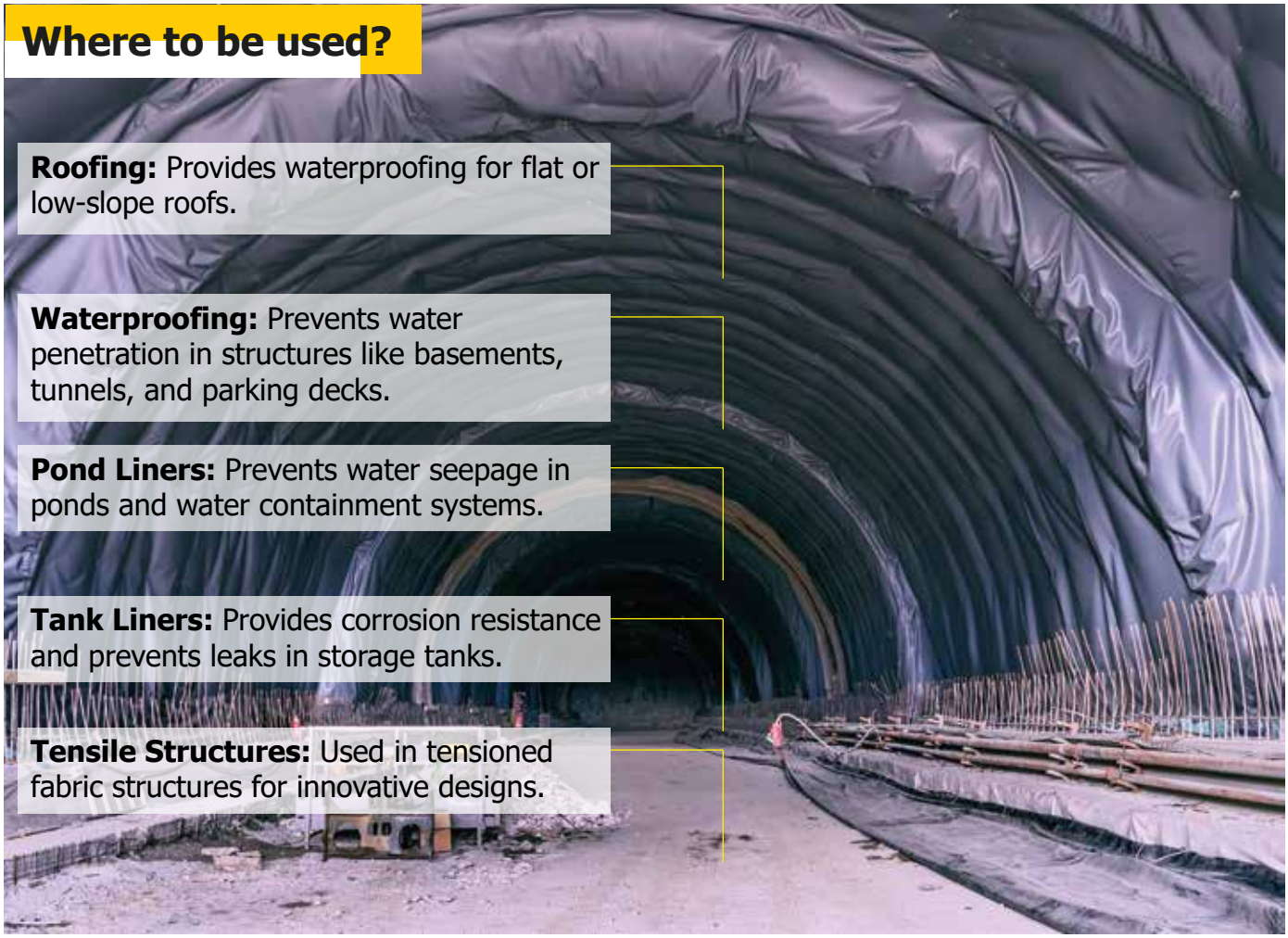
PVC Geomembrane with Signal Layers (For Tunnels)

Uv resistant PVC Geomembrane (For Roofs)

Flat Type PVC Geomembrane

Antibacterial PVC Geomembrane (For Swimming Pools)

Where to be used?



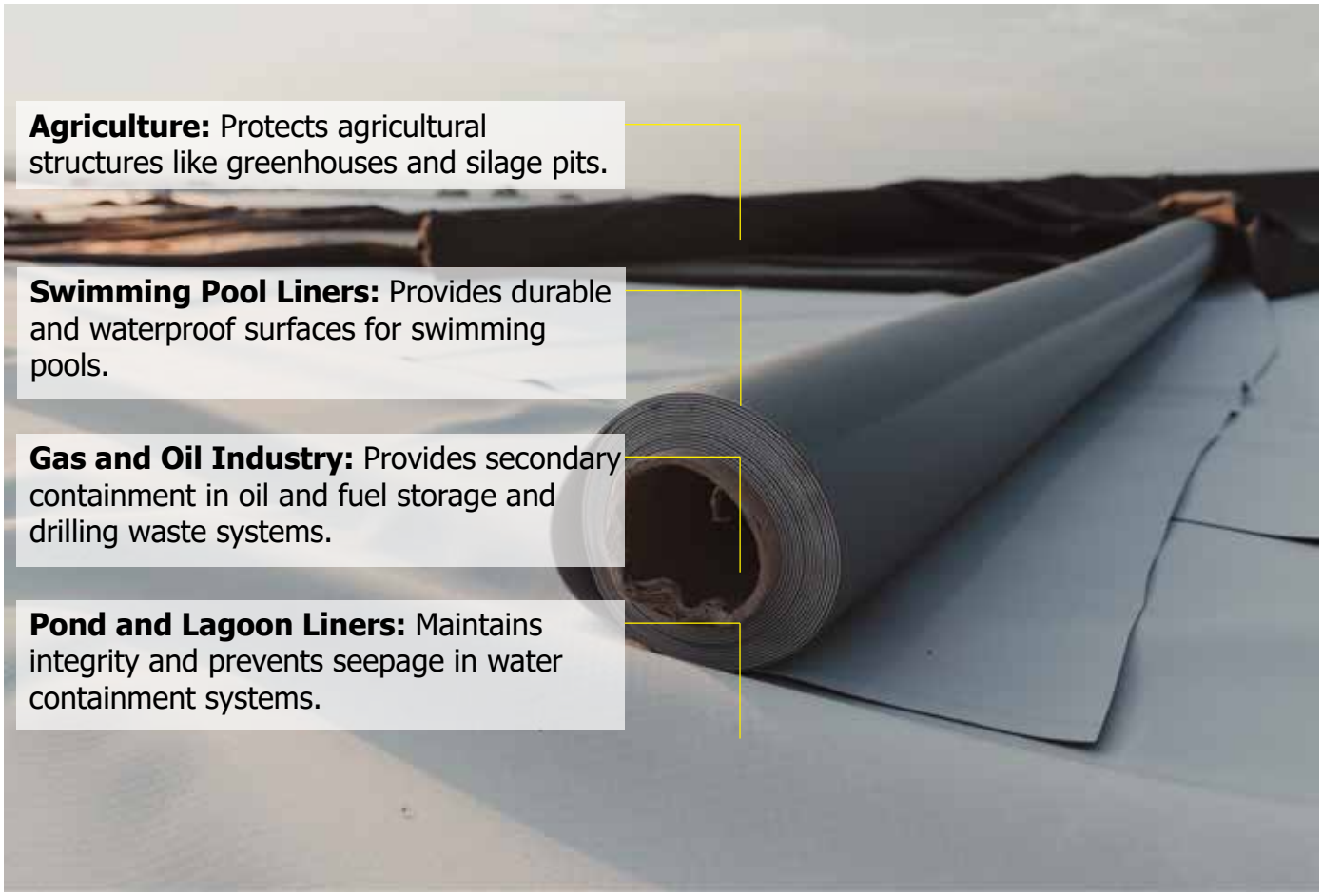
Roofing: Provides waterproofing for flat or low-slope roofs.

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.



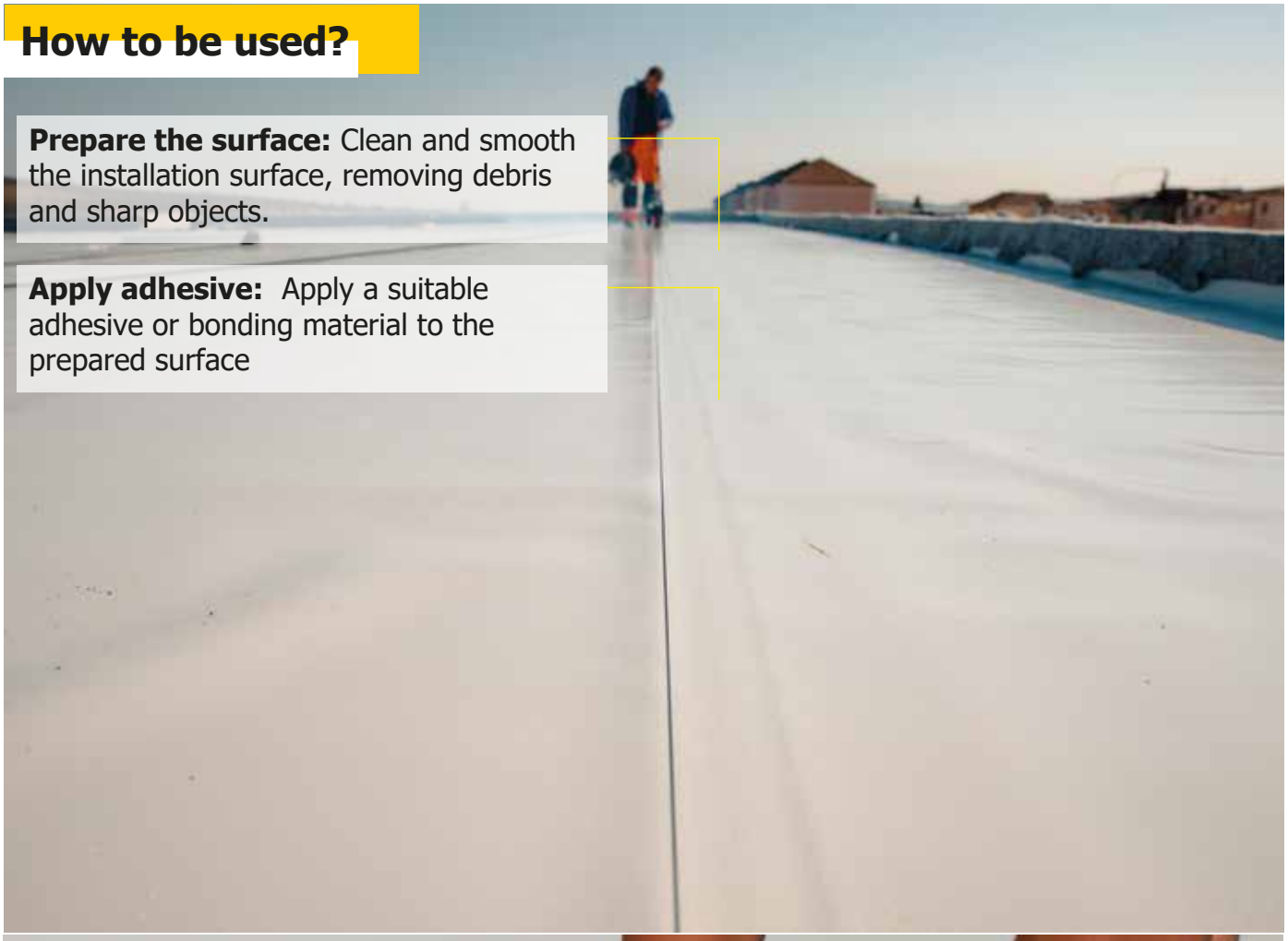
Agriculture: Protects agricultural structures like greenhouses and silage pits.

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

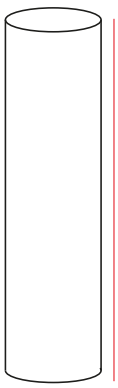
Weld seams: Heat-weld overlapping edges with a hot-air gun or automatic welder to create strong, watertight seams.

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

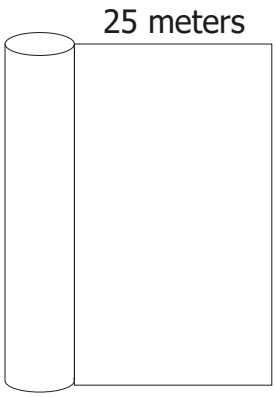
Technical Data

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)



Info

HS CODE:
4002.70.00.00.00

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

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