

# SORCONS<sup>®</sup>

## 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.

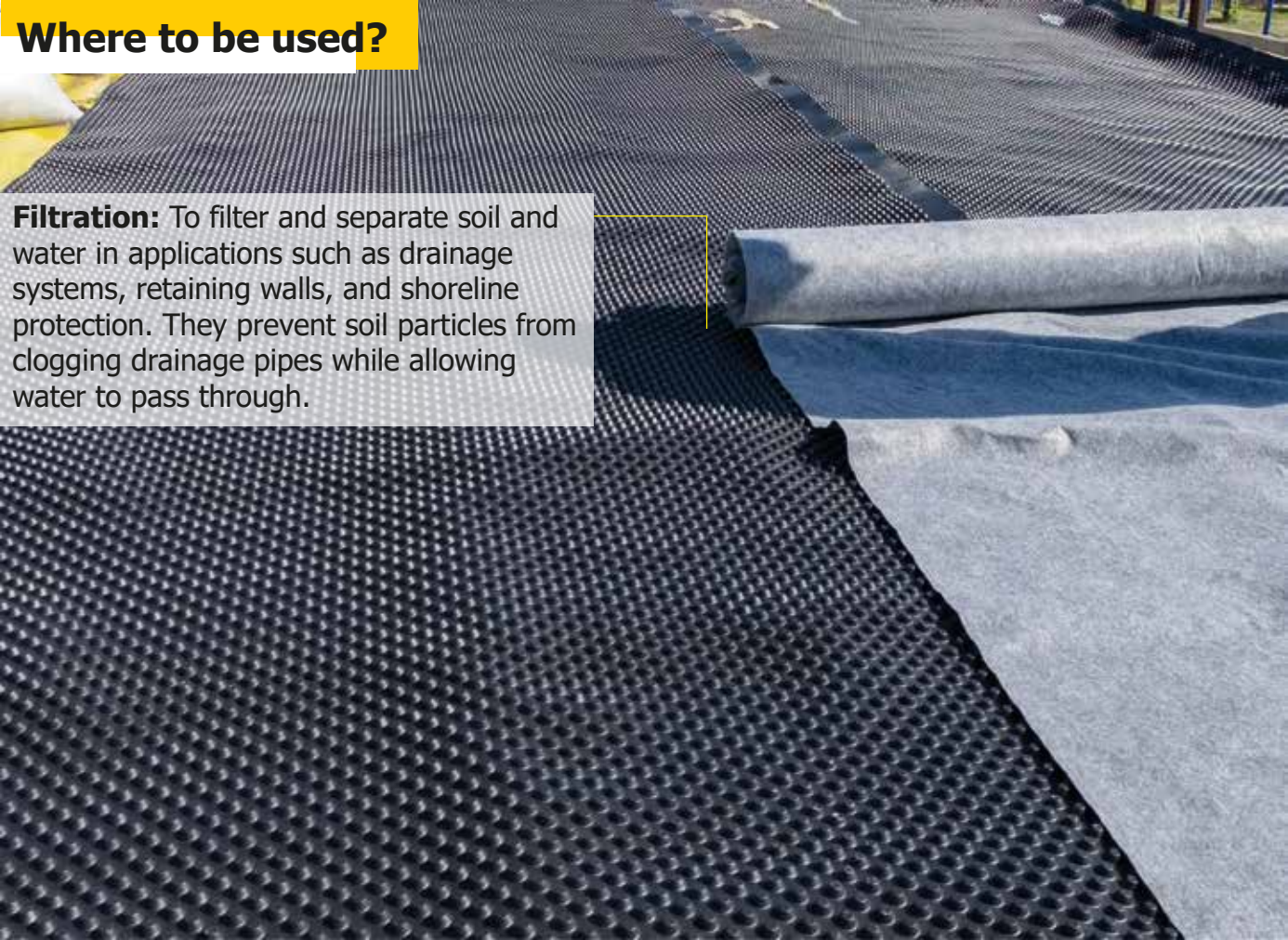
Due to its perfect mechanical and durable structure it provides perfect solutions for civil engineering applications like waterproofing, separation, filtration and protection properties.

Geotextiles have a specific thickness, which influences factors such as filtration performance separation capability, and protection characteristics.

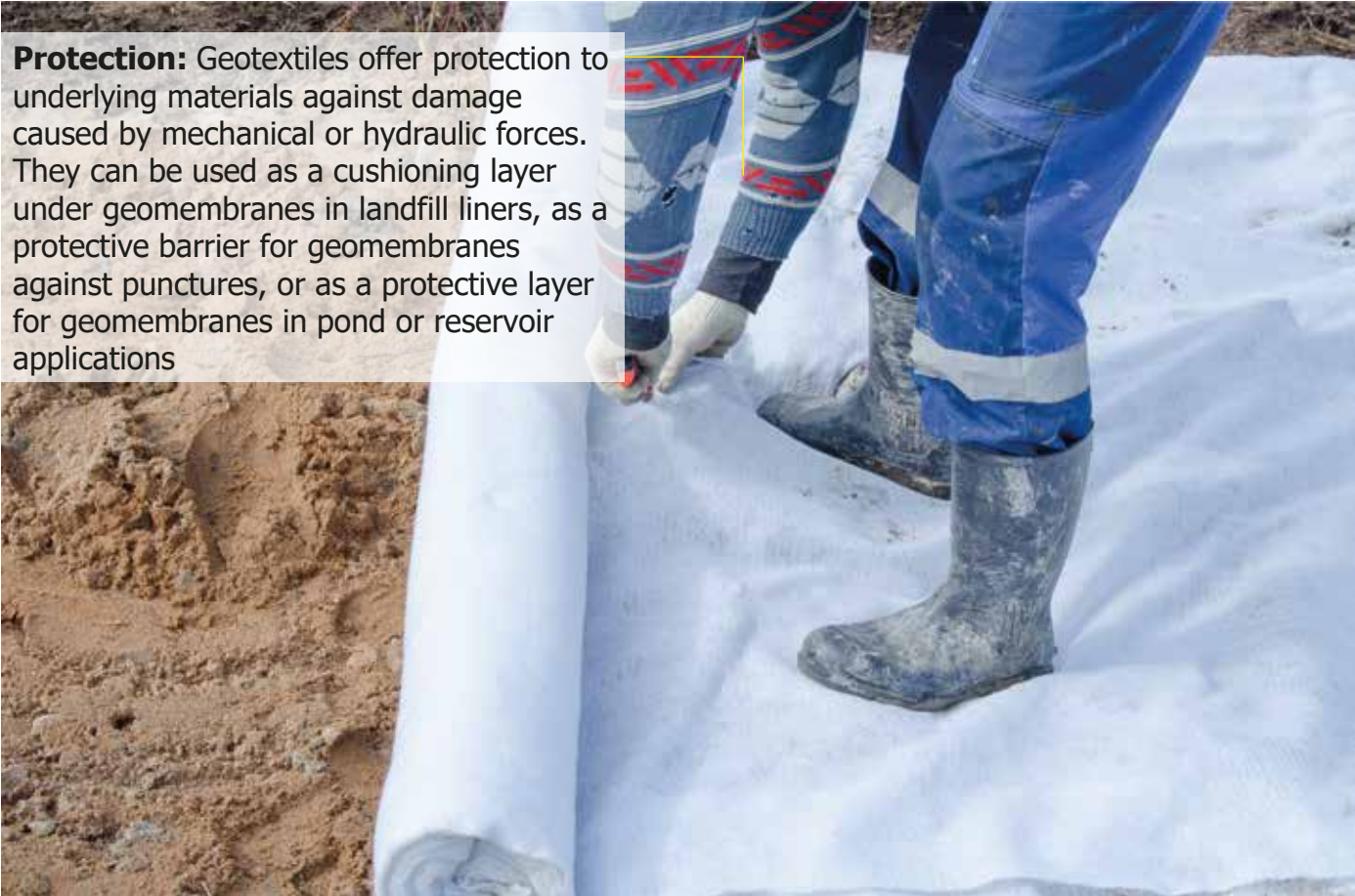
Geotextiles have both tensile strength and puncture resistance. Tensile strength measures the ability of the geotextile to withstand pulling forces, while puncture resistance indicates its resistance to being penetrated by sharp objects.



## 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



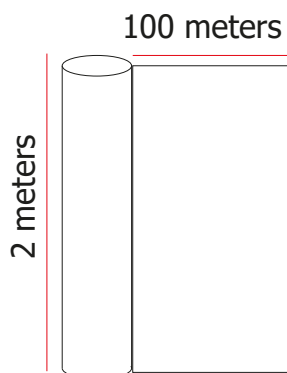
	Weight	Thickness	Tensile Resistance	Elongation Resistance	Static Loading	Dynamic Loading	Water Penetration	Pore Size
Standard of Testing	TS EN ISO 9864	TS EN ISO 9863-1	TS EN ISO 10319	TS EN ISO 10319	TS EN ISO 12236	TS EN ISO 13433	TS EN ISO 11058	TS EN ISO 12956
Product	g/m <sup>2</sup>	mm	kN/m	%	N	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

Sampling is available for this product. Contact with [sales@sorcons.com](mailto:sales@sorcons.com) to ask sample.

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