







# FUNCTIONS OF GEOSYNTHETIC SOLUTIONS

		GEOTEXTILES	GEOMEMBRANES	GEOGRIDS	GEODRAINS	GEO WALLS	GEOVEGETATION	GEOBARRIERS
	<b>Separation:</b> separating two materials with different particle sizes in order to prevent their contamination which may accelerate degradation of the works.	●						
	<b>Filtration:</b> allowing the passage of a fluid emanating from the soil or from another medium while preventing the uncontrolled passage of particles extracted from this medium.	●			●			
	<b>Waterproofing:</b> creating a watertight or nearly watertight barrier in order to prevent liquids contained in the works from reaching the soil or adjacent works.		●					
	<b>Drainage:</b> collecting, channeling and carrying fluids, thus allowing their diversion in order to protect the works from the presence of liquids which is one the main causes of their degradation.	●			●			
	<b>Reinforcement:</b> giving better load-bearing capacity to a soil by increasing its resistance to traction and its deformation capacity before rupture of the massif in order to allow the execution of the works.	●		●		●	●	
	<b>Protection:</b> acting as a layer which reduces local constraints in order to prevent or reduce potential damage which could be caused to another layer of natural, geosynthetic or geotechnical materials.	●					●	●

## MAINS AREAS FOR THE APPLICATION OF GEOSYNTHETIC SOLUTIONS

<b>Roads and Transportation</b>	<ul style="list-style-type: none"> <li>• Primary and secondary road networks;</li> <li>• Bridges, overpasses and tunnels;</li> <li>• Railway, port and airport infrastructures.</li> </ul>
<b>Natural Resources and Energy</b>	<ul style="list-style-type: none"> <li>• Mining, oil and gas development;</li> <li>• Logging;</li> <li>• Production of hydroelectric and wind power.</li> </ul>
<b>Industrial and Waste Management</b>	<ul style="list-style-type: none"> <li>• Burial and composting of residual materials;</li> <li>• Industrial production and transformation;</li> <li>• Agri-food production and transformation.</li> </ul>
<b>Municipal and Landscape Architecture</b>	<ul style="list-style-type: none"> <li>• Streets, curbs, waterworks and sewers;</li> <li>• Green cities and buildings;</li> <li>• Parks, playing fields and bicycle paths;</li> <li>• Residential projects and retail sales.</li> </ul>