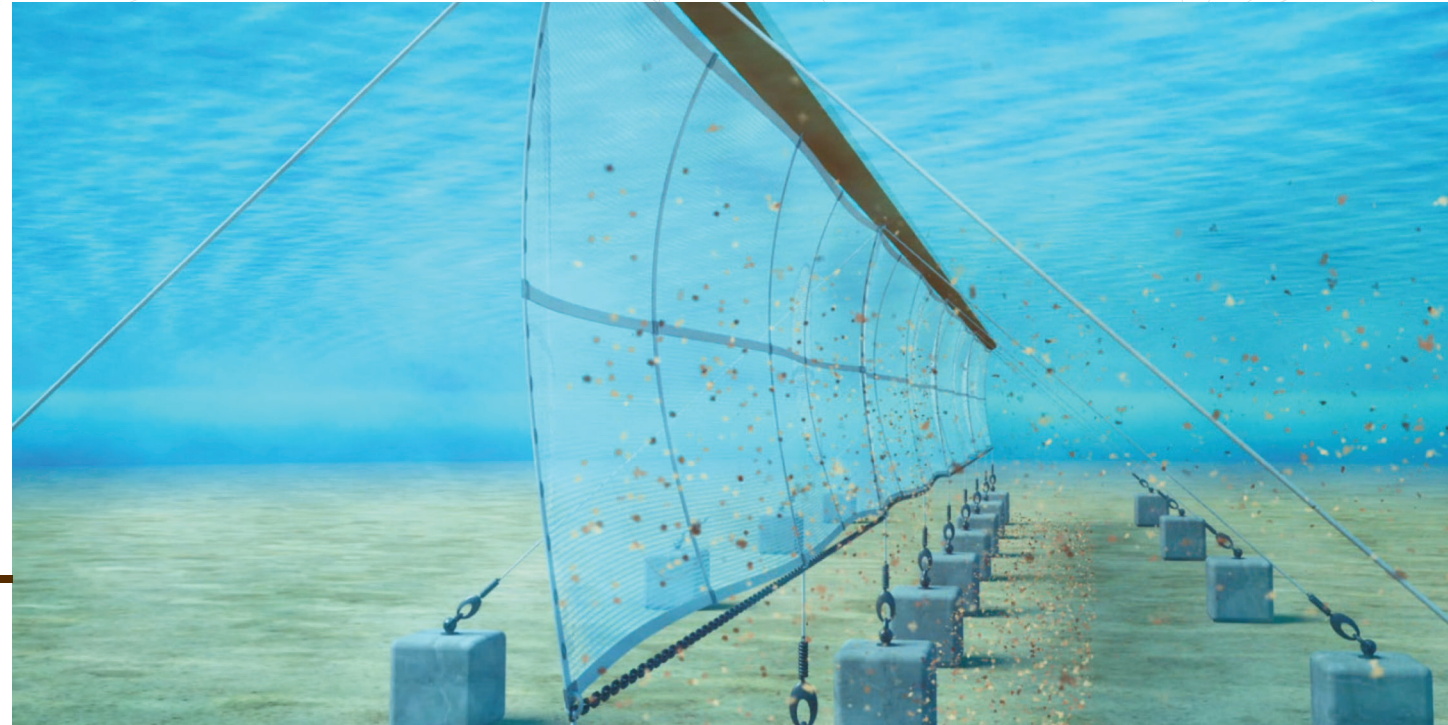


History

- 2018 • 11th IGS Seoul (Diamond Sponsor)
- 2016 • GOST-R Certified
EuroGeo6 (Slovenia)
GeoAmerica (Miami / USA)
- 2015 • Assigned as a Small Giant Company by SMBA
- 2014 • 10th IGS Germany
Qualified for Company Specific Approved Exporter
- 2013 • USD 5M Export Achievement Award
Became a member of GMA
- 2012 • USD 3M Export Achievement Award
CE certified
Became a member of IGS
- 2009 • Assigned as an Innovative company
by SMBA ISO9001, 14001 Certified
- 2008 • Completion of Gimcheon Plant
- 2006 • Renamed to DAEYOUN GEOTECH
- 1991 • Established DAEYOUN TEXTECH



Company

We, GEONIA, are the manufacturer of PET Woven Geotextile that prevents differential settlement and improves soft soil ground such as coasts, riversides and wetlands.

We also distribute not only the other geosynthetics but also new civil engineering materials and construction methods.

Based on the production know-how and experience accumulated since 1991, GEONIA has secured the optimal stable quality and technology and strived to research, develop, and improve products with the goal of "The World Best Geosynthetic Manufacturer and Civil Material Distributor."

We are deeply grateful to everyone who has used our products with encouragement and we promise to do our best to ensure quality management and customer satisfaction.

Thank you.

Head Office / Factory
123, Apogongdan-gil, Gimcheon, Gyeongsangbuk-do Korea

R&D Center
123, Apogongdan-gil, Gimcheon, Gyeongsangbuk-do Korea

Seoul Office
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**DAEYOUN
GEOTECH**



GEONIA Silt Protector is a silt fence installed in water for preventing spread of environmental contaminants induced by coastal and riverside construction.

GEONIA Silt Protector is used to preserve the natural environment and protect marine resources. By blocking a specific water zone with a high strength woven geotextile, soil particles that occur in the area are settled and precipitated to prevent leakage and spread of silt water.

Applications

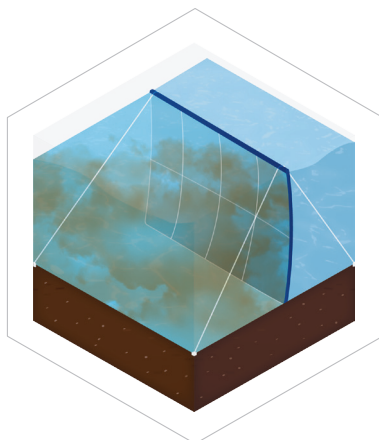
Protection of sea farming area

Prevention of pollution from reclamation work

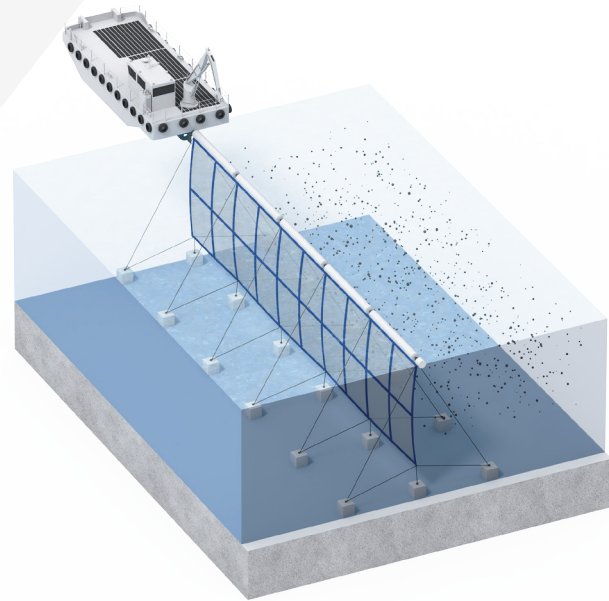
Prevention of pollution from revetment

Function

Diffusion Prevention



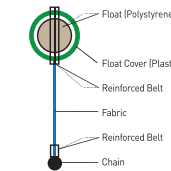
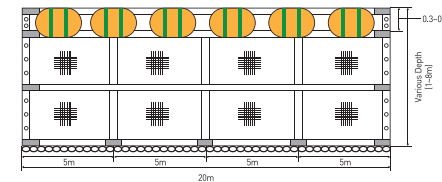
Application



Product Type

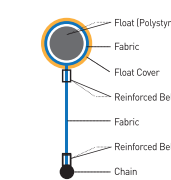
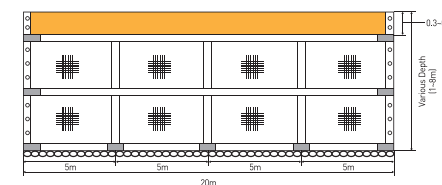
Tube Type

High external force of tide, wave and wind.



Head Covering Type

Less external force than tube type / easy to install



Work Procedure

1. Transportation from Jetty



2. Silt Protector Installation



3. Tonbag Anchor Installation



GEONIA Silt Protector Fabric		Standard	Unit	DSP15	DSP20	DSP25	DSP30	DSP40	DSP50	
Mechanical Properties										
Tensile Strength	MD	ISO 10319	kN/m	≥ 150	≥ 200	≥ 250	≥ 300	≥ 400	≥ 500	
	CD		kN/m	≥ 150	≥ 200	≥ 250	≥ 300	≥ 400	≥ 500	
Tensile Elongation	MD		%	≤ 20						
	CD		%	≤ 20						
Puncture Resistance Strength CBR		ISO 7771	%	± 0.2						
Hydraulic Properties										
Flux (h:50mm)		ISO 11058	l/m ² /sec	≥ 1						
Permittivity (h:50mm)			S ⁻¹	≥ 0.02						
Material & Size										
Material of Fabric			High Strength Polyester							
Float Size			mm	300 - 500						