

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.

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Applications & Mechanical Properties

The DT Geotube by GEONIA is made by sewing PET woven geotextile and can be used for various purposes such as breakwater, temporary cofferdam, costal dune protection, and sewage treatment. Using high-strength PET fabric and patented sewing technology in GEONIA's owned factory, the product improves durability and enables more stable construction of structures.

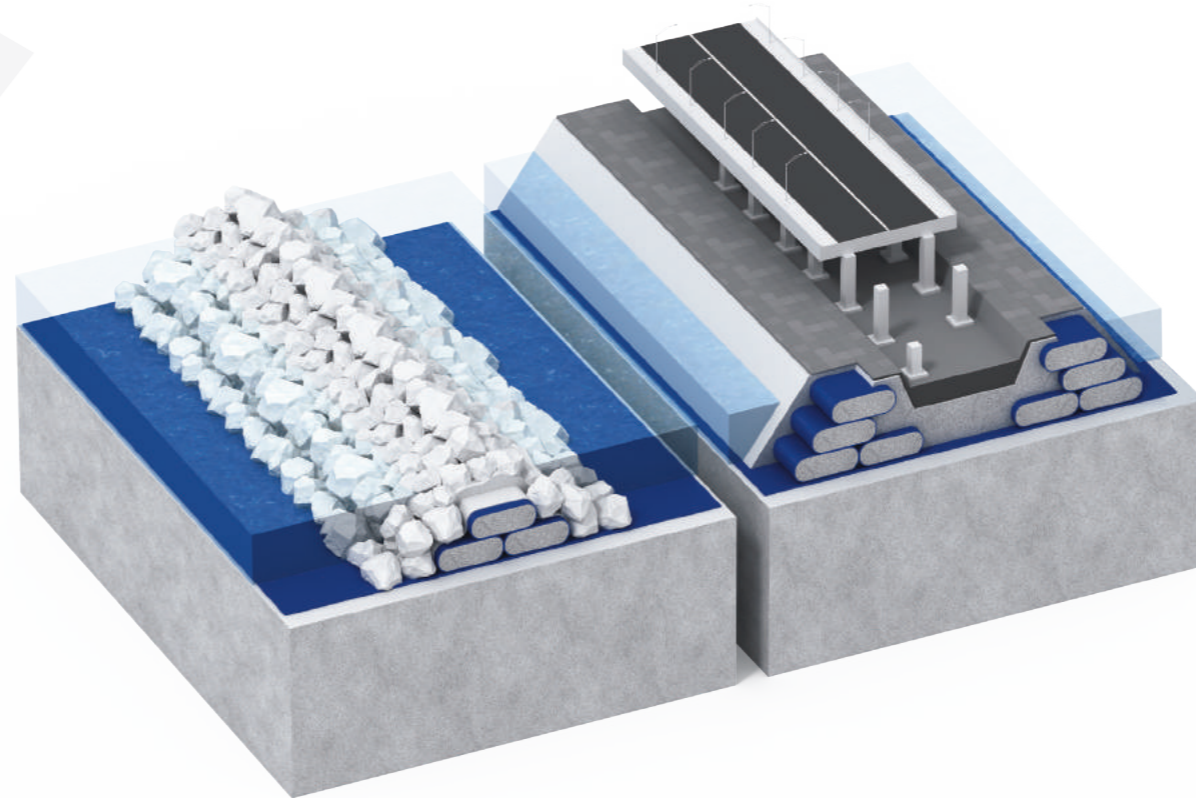
Intellectual Property

- Friction bumper sewing method



- Product Range
- Material

Biaxial 150 – 500 kN/m
High Tenacity Polyester Yarn



Applications	
Breakwater	Costal dune protection
Cofferdam	Sewage treatment

Functions		
Filteration	Breakwater	Cofferdam

GEONIA DT-GEOTUBE	Test Method	Unit	DT-15	DT-20	DT-30	
Mechanical Properties						
Tensile Strength	MD	ISO 10319	kN/m	≥ 150	≥ 200	≥ 300
	CD	ISO 10319	kN/m	≥ 150	≥ 200	≥ 300
Tensile Elongation	MD	ISO 10319	%	≤ 15	≤ 15	≤ 15
	CD	ISO 10319	%	≤ 15	≤ 15	≤ 15
Factory Seam Strength	ISO 10321	kN/m	≥ 75	≥ 100	≥ 150	
Hydraulic Properties						
Water flow rate (h:50mm)	ISO 11058	l/m ² /sec		≥ 20		
Apparent Opening Size (O ₉₅)	ISO 12956	mm		≤ 0.5		
UV Resistance (Retained Strength 320hrs)	ISO 12224	%		≥ 65		

◆ Basic design and engineering review provided

Project Experience

• Saemangeum Reclamation Project



Work Procedure

1. Geotube Positioning



2. Slurry Filling



3. Sediment Settled & Drainage



4. Completion

