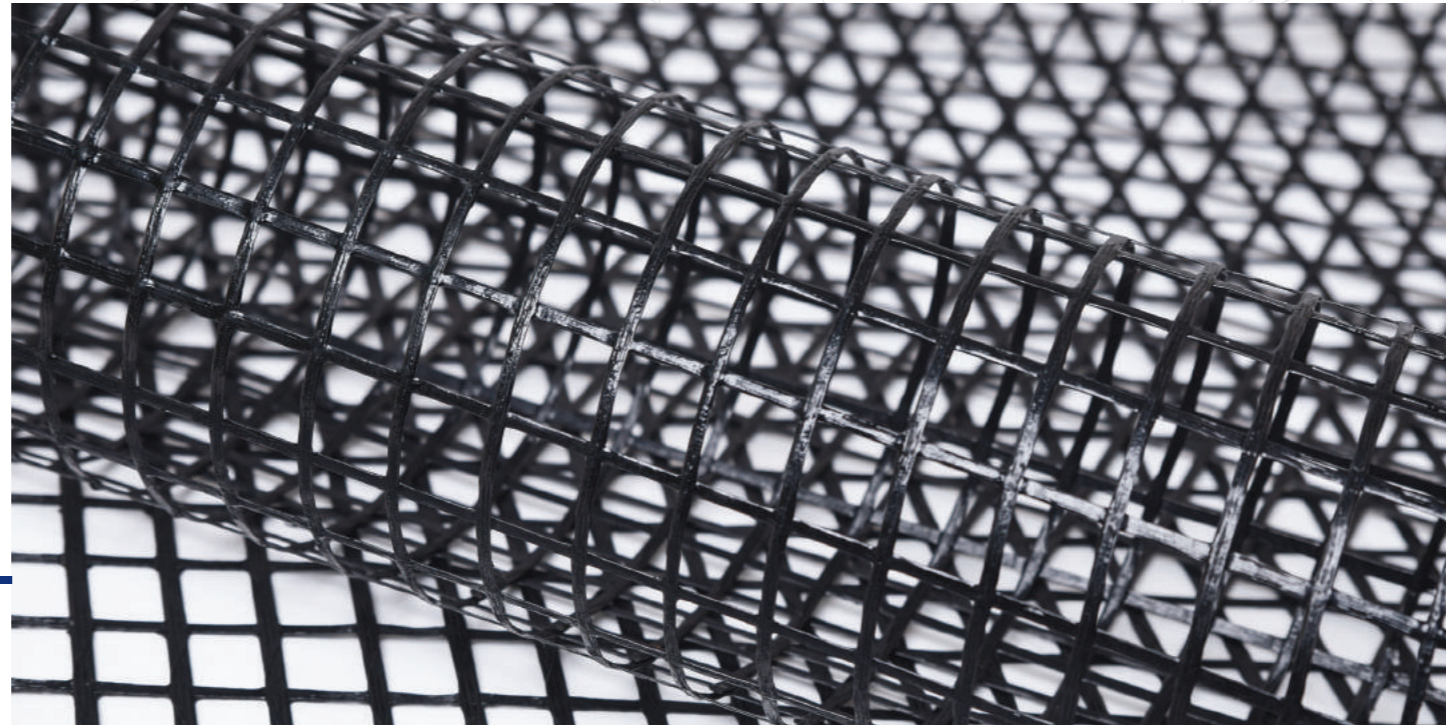


History

- 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

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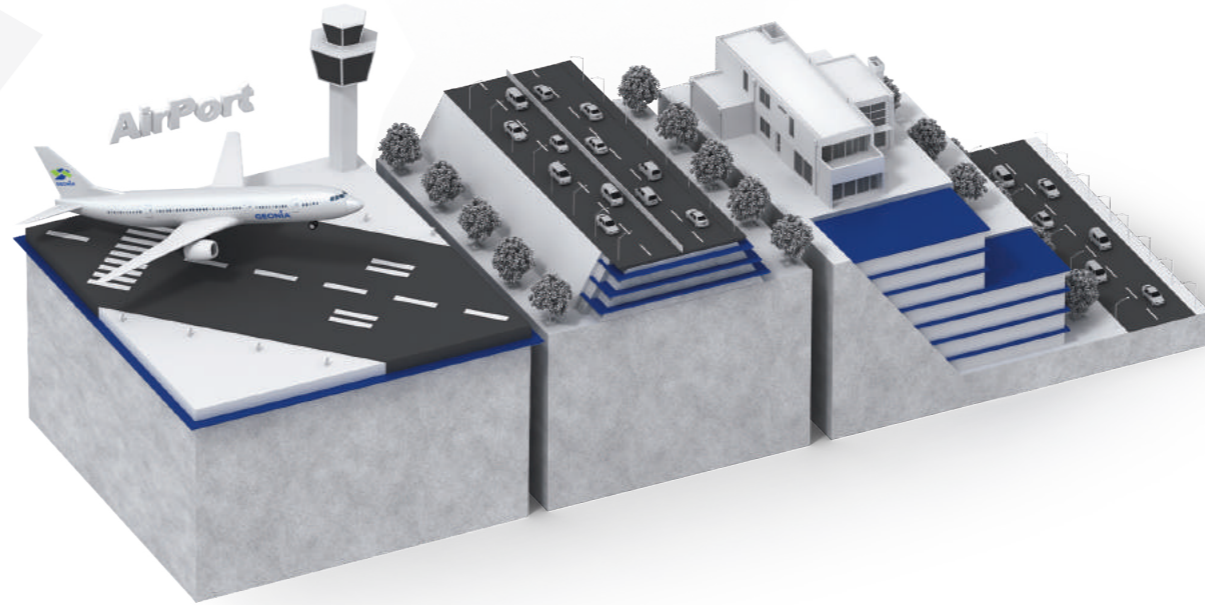


Applications & Properties

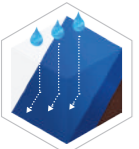
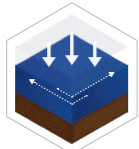
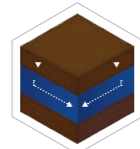
GEONIA weaves the engineering solutions with **high quality**, **fast delivery** and **optimized cost**.

DG grid by GEONIA is a highly economical and excellent product that a polyester fabric is coated with a polymeric resin with high tenacity and low elongation. It is used for road, railway, and retaining wall construction, etc. to prevent differential settlement, shear failure and sliding, thus enabling efficient site utilization and easy construction.

- **Production Capacity** 5,000,000 m² / Year
400,000 m² / Month
- **Product Range** Uniaxial : 40~400 kN/m
Biaxial : 40~100 kN/m
- **Material** Yarn : PET
Coating : PVC, SBR



Applications	
Uniaxial	Biaxial
Retaining Wall	Soft Soil Ground
Rail way	Road
Road	Harbor
Slope	Reclamation

Functions		
Erosion Control	Reinforcement	Confinement
		

GEONIA DG-GRID		Standard	Unit	DG-40	DG-60	DG-80	DG-100	DG-150	DG-200
Mechanical Properties									
Tensile Strength	MD	[KS K ISO 10319] [ASTM D 4595] [ASTM D 6637]	kN/m	≥ 40	≥ 60	≥ 80	≥ 100	≥ 150	≥ 200
	CMD		kN/m	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
Tensile Strength @ 5% Elongation	MD		kN/m	≥ 20	≥ 30	≥ 40	≥ 50	≥ 75	≥ 100
	CMD		%	≤ 12					
Elongation	MD	%	≤ 12						
	CMD	%	≤ 12						
Product Properties									
Mesh Size (± 20%)		mm	22x24	20x24	20x24	20x24	20x24	20x24	20x24
Roll Width		m	3.9						
Roll Length		m	52.0						
Roll Area		m ²	200.0						
Material Properties (High Tenacity Polyester Yarn)									
Number Average Molecular Weight	[GRI-GG8]	-	Mn > 25,000						
Carboxyl End Group Content	[GRI-GG7]	mmol/kg	CEG < 30 mmol/kg						

◆ Structural calculation of retaining wall can be provided

Experience



Work Procedure

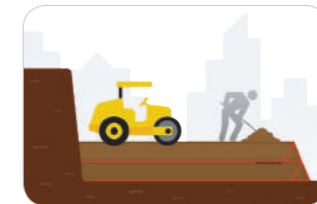
1. Ground Compaction



2. Geogrid Installation



3. Filling and Compaction



4. Completion

