



DMC for Geotextile Encased Column



**DAEYOUN
GEOTECH**

History



- 2023 ◆ DMC Series launched
BBA / UKCA certified
- 2022 ◆ EuroGeo7 (Poland)
- 2018 ◆ 11th IGS Seoul (Diamond Sponsor)
- 2015 ◆ Assigned as a Small Giant Company by SMBA
- 2014 ◆ 10th IGS Germany
Qualified for Company Specific Approved Exporter
- 2013 ◆ CE certified
- 2012 ◆ R&D Center establishment
IGS Membership registered
- 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

www.egeonia.com

Head Office / Factory / R&D Center
123, Apogongdan-gil, Gimcheon, Gyeongsangbuk-do, Korea

Factory 2
19 Poa-ro, Apo-eup, Gimcheon, Gyeongsangbuk-do, Korea

E-mail overseas@egeonia.com

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.

GEONIA

Production Capacity
100,000m/Year

Production Range
Tensile strength in Circular : 150 - 600 kN/m

Column Size
Diameter : 500 mm~1,000 mm

Material
High tenacity Polyester

Applications

Geotextile Encased Column

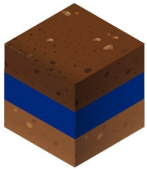
Embankment

Road

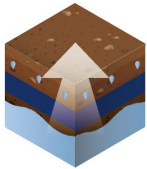
Rail way

Functions

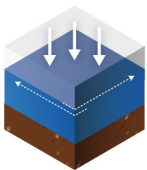
Separation



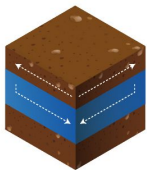
Drainage



Reinforcement



Confinement



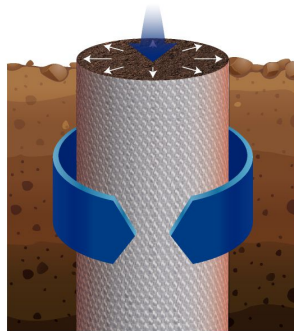
DMC

for Geotextile Encased Column

The DMC series provides the optional solution for extremely soft soil ground reinforcement and guarantees fast, economic, eco-friendliness construction.

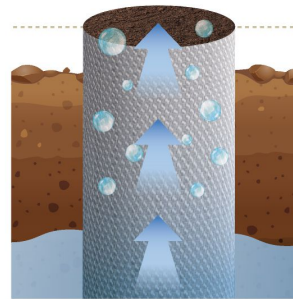


Benefits



High reliability

By using high-strength seamless geotextile (150-600kN/m), the bearing capacity of the column can be improved and the shape stability of the column can be increased. Therefore, although fewer columns are constructed than stone columns or sand columns, higher reliability of the structure can be secured and the construction period can be shortened.



Drainage & Settlement control

The entire column acts as a drainage system, accelerating the settlement of soft ground, stabilizing the ground quickly, and consolidation. Therefore, the structure can be constructed immediately after column construction, enabling rapid construction and relatively little settlement after the structure is completed.



Dynamic load control

Unlike rigid piles such as concrete piles, stability against vertical and horizontal dynamic loads is high. In particular, high-strength geotextiles are wrapped around the column, so it can withstand dynamic loads without damaging the column and secure the stability of the structure.

Construction

| Step 1 Steel casing penetration



| Step 2 DMC installation



| Step 3 Back filling



| Step 4 Steel casing withdrawn under vibrating & Completion of installation

