

# GEO SYNTHETICS



Polyethylene  
**Griped Liner**  
Polyethylene  
**Geomembrane Liner**



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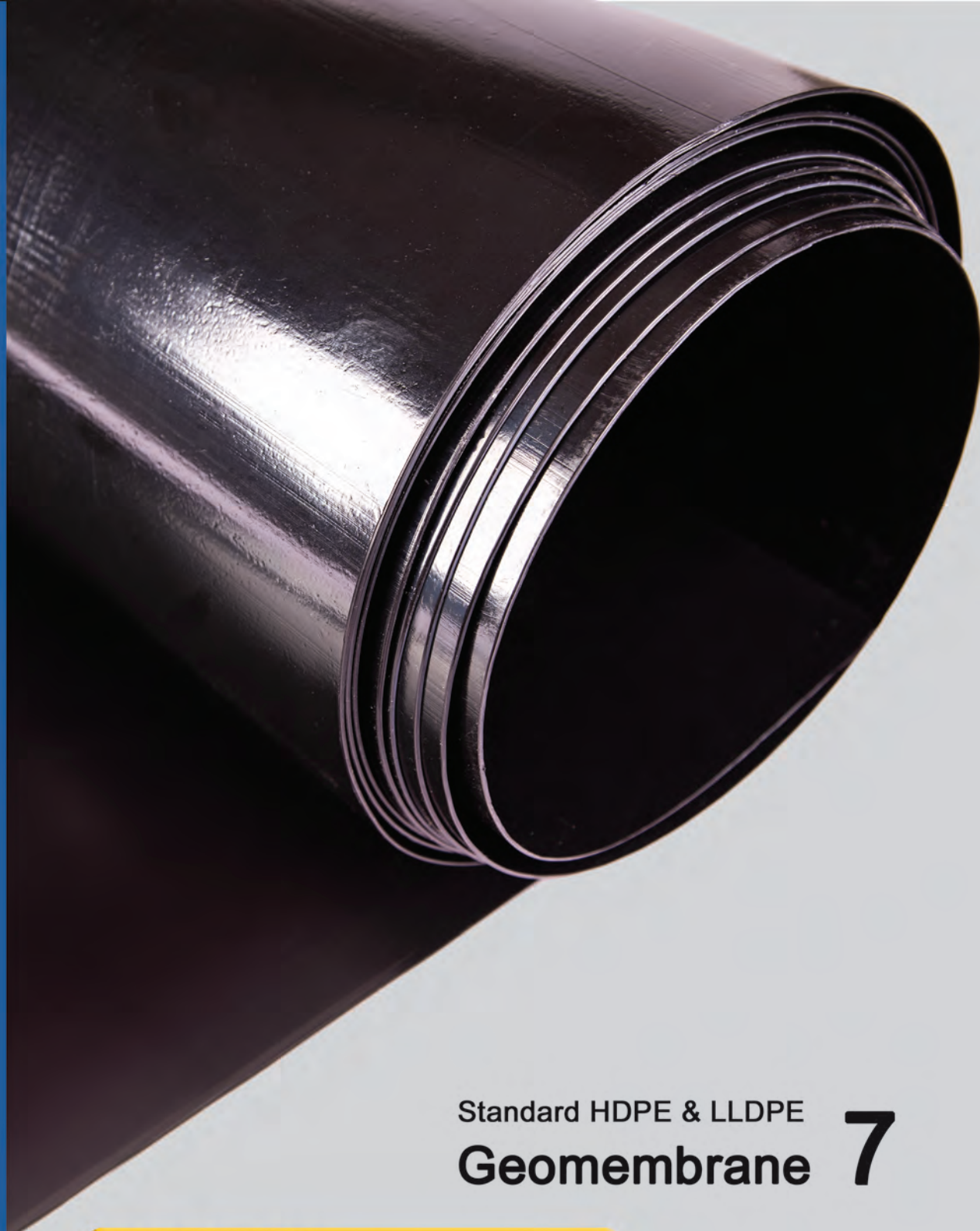


## Standard HDPE Geomembrane 7

### Introduction

The foundation of company is followed with carrying out anticipated work schedule by setting up in vacuum thermoforming machineries in 1986. The need to plastic sheet derived the company to develop respective production line accordingly, and automotive parts production line bilateral with growing the previous branches as well.

The next to previous activity company joined to group of Geosynthetics products manufacturer by producing gripped liner in 2003, soon after began to produce Geomembrane. Following the geosynthetics product in gradual step took for new products and activity extended to Geogrid, wider Geomembrane, Geodrain and Geocomposite at the same time have been gained maximum rate of market share. Thanks the valuable reputation gained due to delivery of standardized products and satisfied services in the market.



Standard HDPE & LLDPE  
**Geomembrane 7**

**GEOMEMBRANE**

Both products precisely comply GRI-GM13 and GRI-GM17 respectively and widely supplied to the local and region markets.  
 Maximum wide of both can be up to 7 meters.  
 Products are characterized by their high impermeability and excellent chemical resistance.  
 Application generally is in the projects where either of two mentioned properties required.  
 The quality of both has lifted up the name of the company to high grade of brand.

**INSTALLATION METHODE**

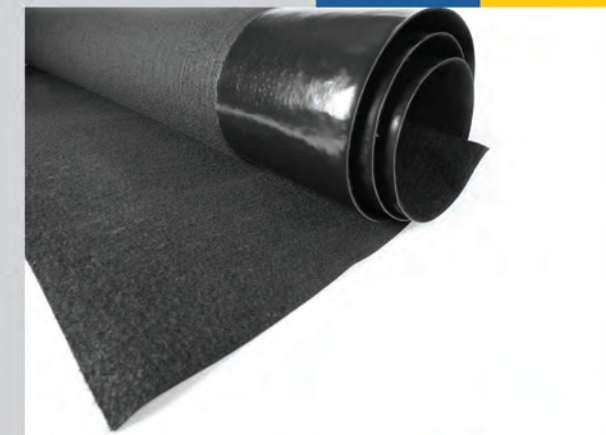
The procedure is accessible in [www.farnambaspar.com](http://www.farnambaspar.com)

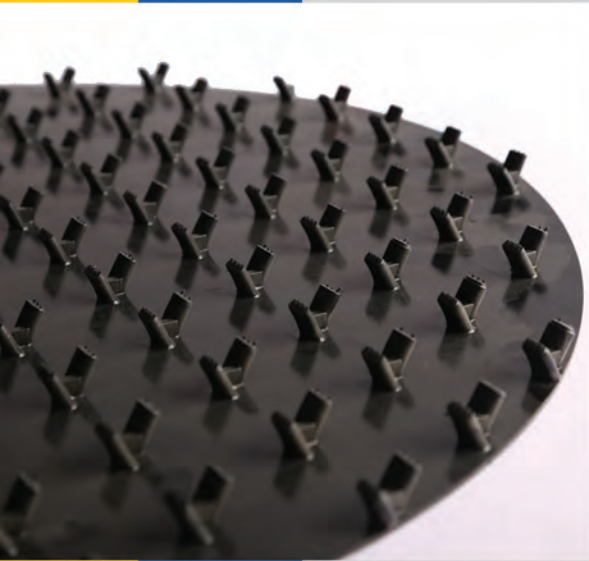
**QUALITY CONTROL & TEST**

The assurance of quality takes place by achieving of relatives' test by means of test equipment in the well-equipped LAB for GRI-GM13 and GRI-GM17 just before deliverance to outdoor of factory.

**GEOCOMPOSITE**

This product is combined of one or two-layered of geotextile in one or two side of Geomembrane when used in aggressive medias and are supplied in 7-meter width or lower as ordered.





### GRIPED LINER

The product is normally produced in four shapes by the name of T-grip, Stud-grip, double studs and new V-gripe; and its maximum width is up to 3 meters. Commonly installed to concrete substances in manufacturing process to protect those against chemical attack which cause the corrosion or oxidation or erosion as well specially they are used in waste water networks and chemical liquid tanks.

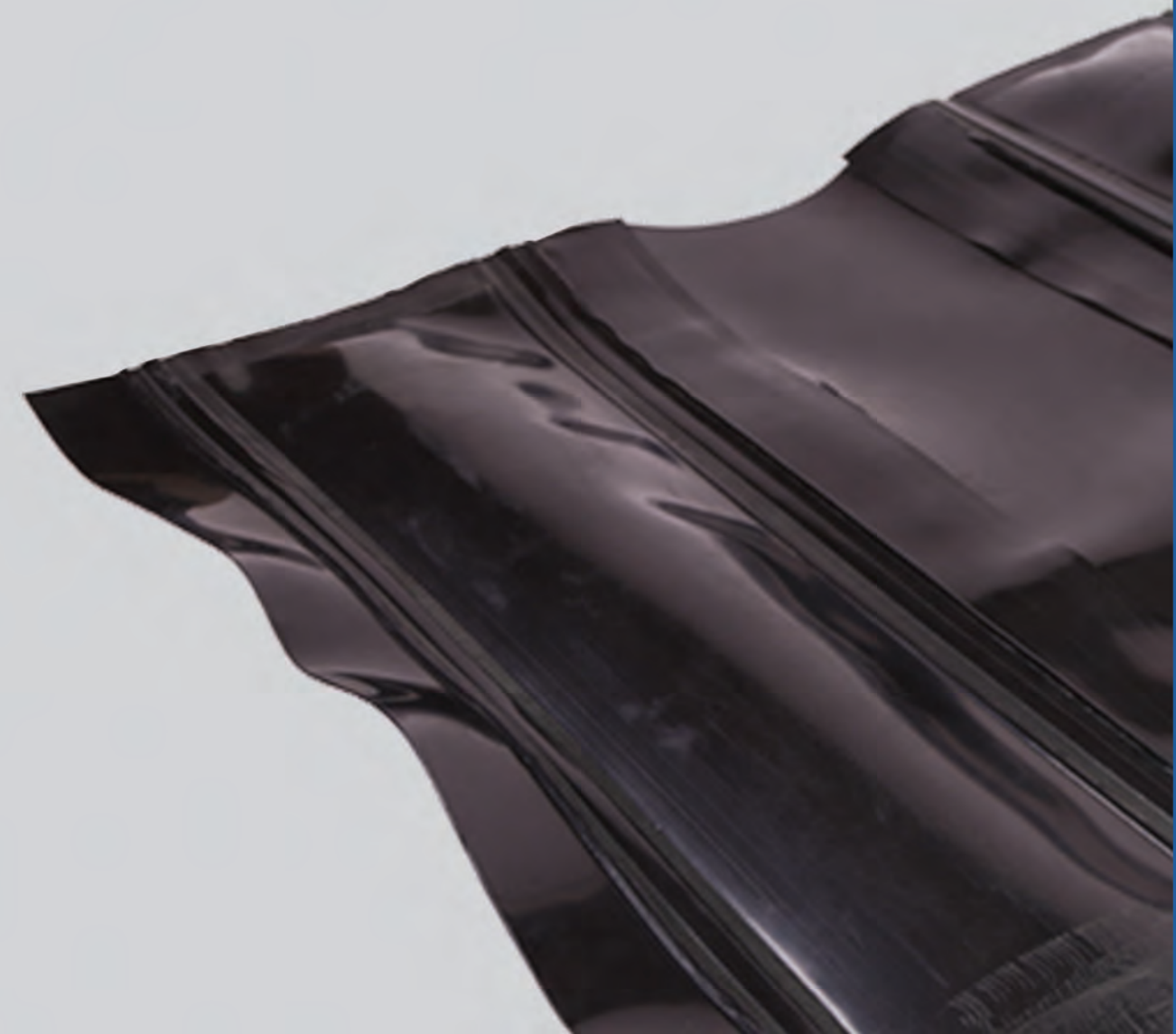
### Applications

Registered patents of company

- a) installing griped liner to the concrete body of tunnels in which wet concrete is injecting into the mold in constructing state.
- b) Using the griped liner for rehabilitation the corroded waste water networks including the pipes or irregular shapes.

### Floating Geomembrane

This product is spread on the surface of the water in the ponds and suspended by installation plastic bubbles under of it or installed in the opening of the pond to prevent evaporation of content water. In recent method it also helps to protect main lining layer to be saved against the UV radiation effect.



# GEOSYNTHETICS

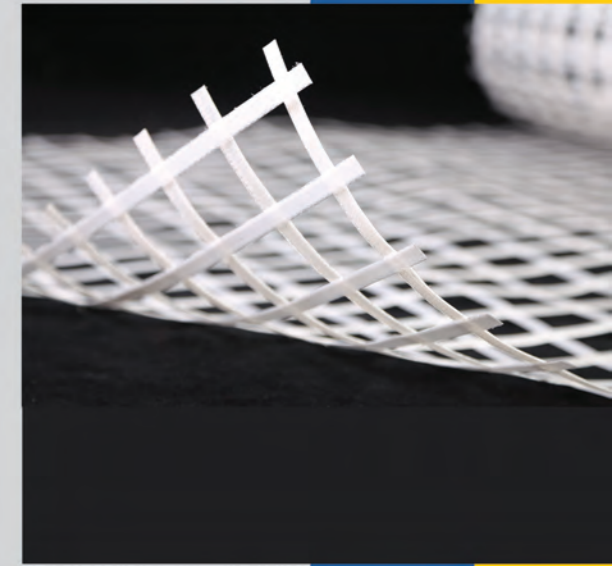


## GEOGRID & COMBOGRID

This type of geogrid is the 3rd generation or last version of two older product composed polypropylene straps including longitudinal and transvers welded together in perpendicular state by means of ultrasonic welding system.

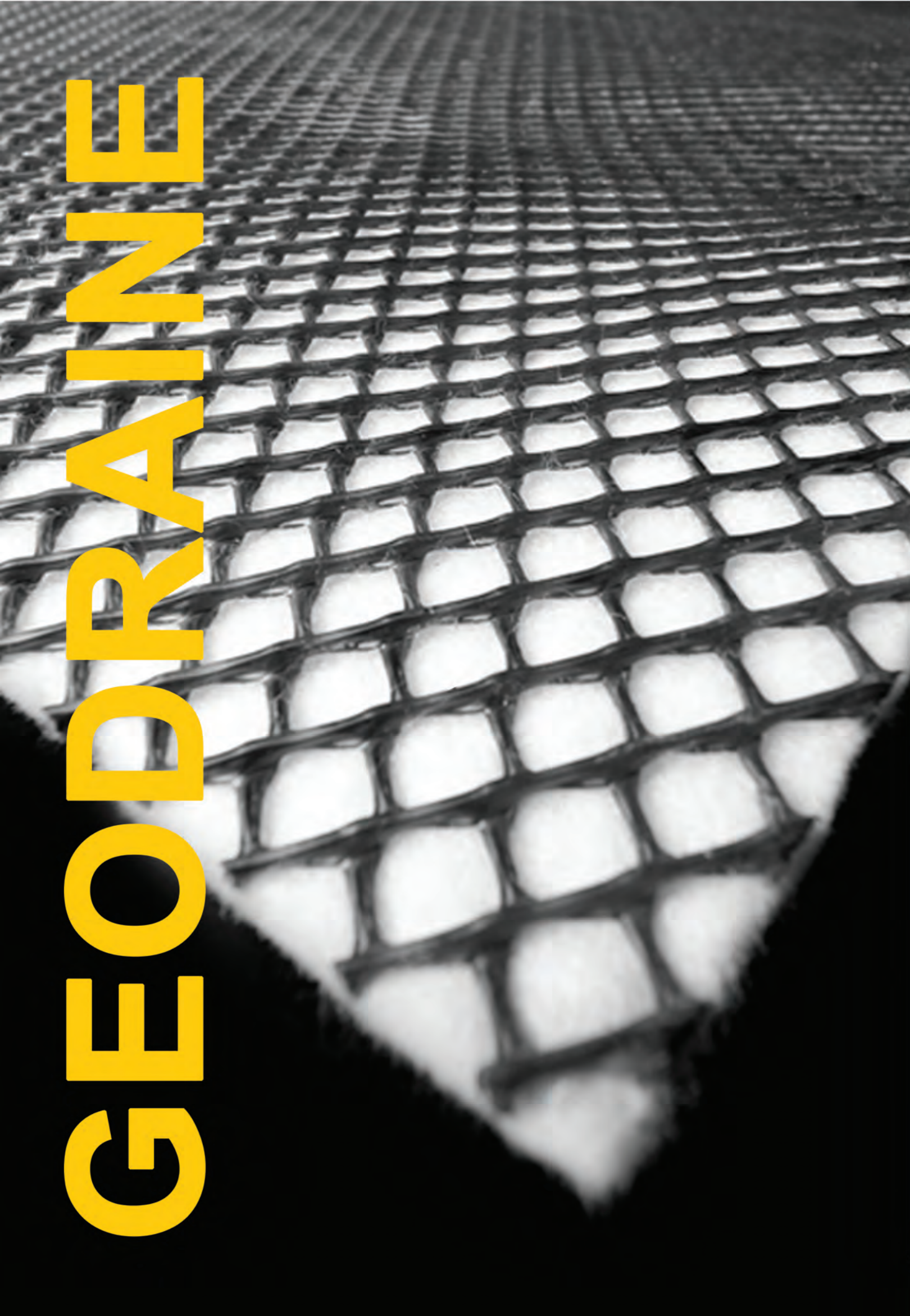
## Applications

- Used in infrastructure of road to reinforce soil to prevent movement and in turn save the asphalt from cracking
- Strengthening the soil
- In slope to prevent to creep down the soil
- Retaining walls



GEOGRID - COMBO-GRID

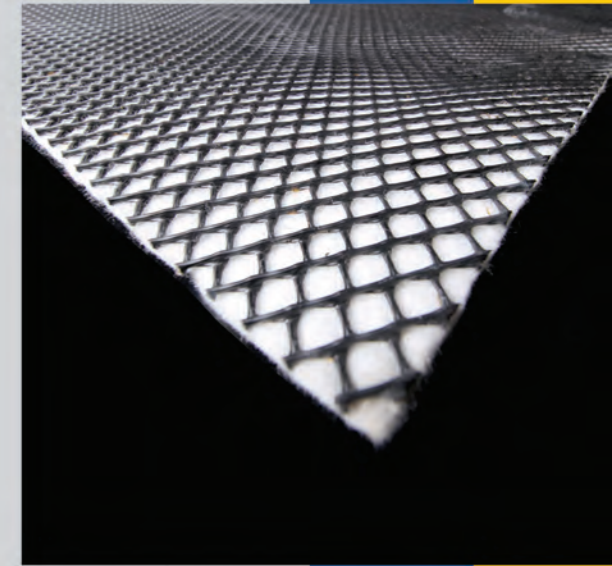
# GEO DRAINAGE



## GEO DRAINAGE

This is layered or laminated product of Geonet or Geogrid and as the name describes generally used for drainage underneath of constructions as an example for application.

The product might be produced in two or three layer in one or both side; or in the middle of the straps with welding them together.



## POLYETHYLENE WELDING RODS

Used in weld the pieces of Geomembrane when installation.

