MIAKOM
GROUP OF COMPANIES

ENGINEERING
PROJECT DESIGN
BUILDING
MANUFACTURING

MATERIALS FOR DRAINAGE

ROAD CONSTRUCTION

RAILWAY CONSTRUCTION

MSW LANDFILLS

OIL AND GAS COMPLEX

MINING INDUSTRY

AIRPORTS

HYDRAULIC STRUCTURES

Drainage

Filtration

Separation

STABIMAT SMT-D

STABIMAT SMT-D is a geomat with a drainage core made of polypropylene and one or two layers of non-woven geotextile. Type of drainage core: three-dimensional geomat made of extruded polypropylene monofilaments.

MAIN CHARACTERISTICS

Country of origin	Russia
Geomat raw material	Polypropylene (PP)
Surface density, g/m²	from 400 to 1000
Number of geotextile layers, pcs	1 or 2
Filter element	Non-woven geotextile
Roll width, m	up to 4,2
Roll length, m	up to 60

ADVANTAGES

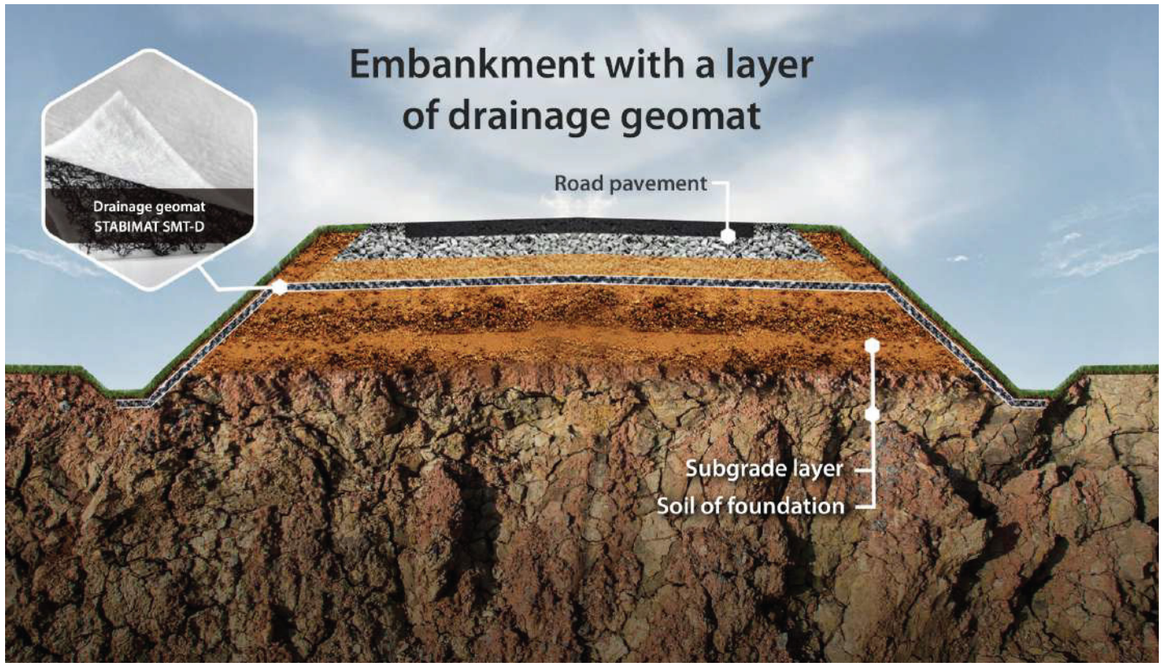
- High drainage capacity
- Optimization of drainage structures with limited availability of traditional inert materials for drainage layers (crushed stone, coarse sand)

FIELDS OF APPLICATION

- Roads
- MSW landfills
- Construction of airfields
- Mining industry

APPLICATION

- Collection and drainage of surface and groundwater in drainage systems
- Protection of waterproofing layers during construction



Drainage

Filtration

Separation

GEO DR

GEO DR is a geocomposite with a drainage core made of polyethylene with one or two layers of non-woven geotextile. Drainage core type: rigid polyethylene grid.

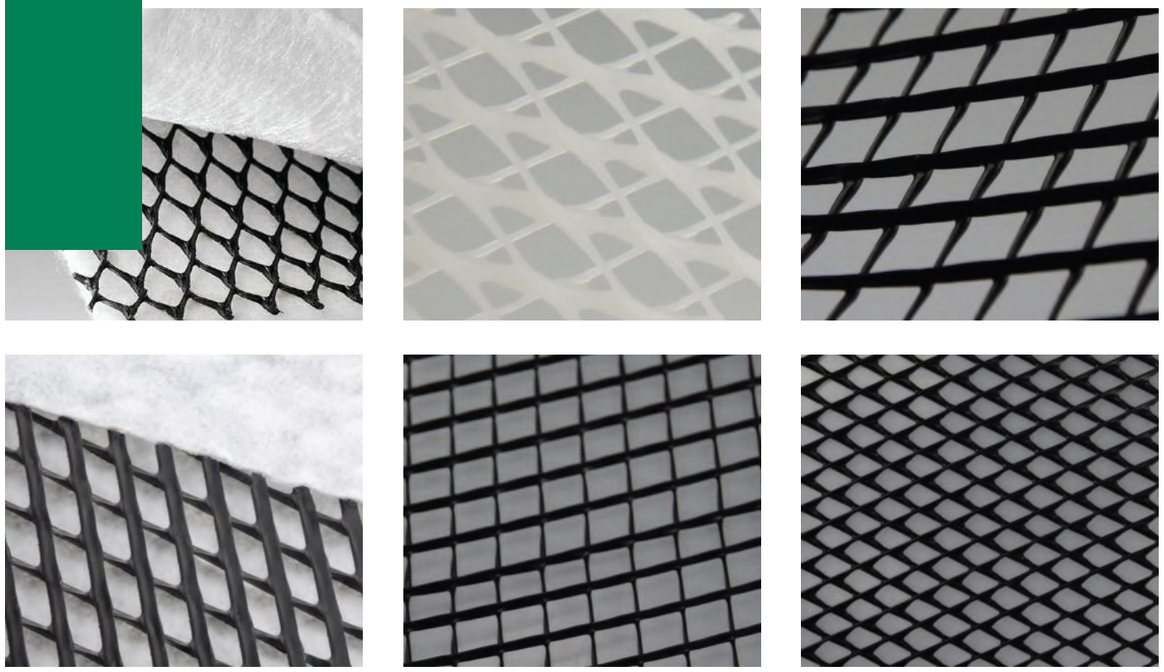
MAIN CHARACTERISTICS

Country of origin	Russia
Drainage core raw material	Polyethylene (HDPE)
Surface density, g/m²	from 400 to 1000
Drainage core structure	2D, 3D
Number of geotextile layers, pcs	1 or 2
Filter element	Non-woven geotextile
Roll width, m	up to 4,2
Roll length, m	up to 50

ADVANTAGES

- High drainage capacity
- Optimization of drainage structures with limited availability of traditional inert materials for drainage layers (crushed stone, coarse sand)

Types of drainage core:

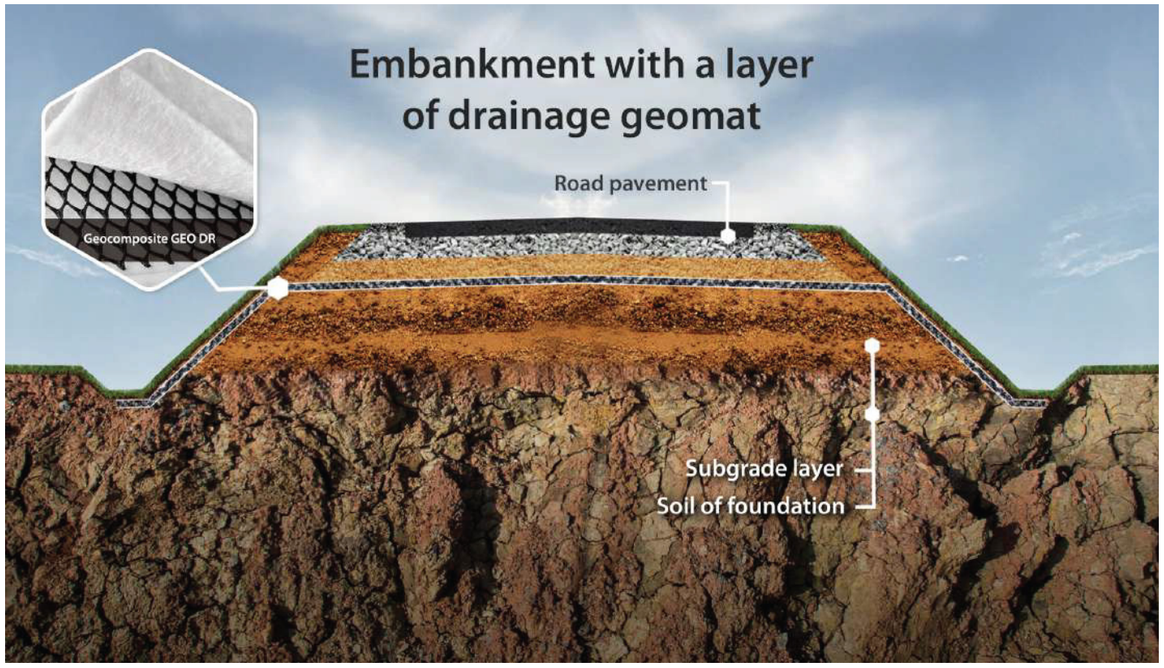


FIELDS OF APPLICATION

- Roads
- MSW landfills
- Construction of airfields
- Mining industry

APPLICATION

- Collection and drainage of surface and groundwater in drainage systems
- Protection of waterproofing layers during construction



Drainage

Filtration

Separation

STABIMAT SMT-N

STABIMAT SMT-N is a geomat with a drainage core made of polypropylene and one or two layers of non-woven geotextile. Drainage core type: W-shaped structure of longitudinal parallel channels made of extruded polypropylene monofilaments.

MAIN CHARACTERISTICS

Country of origin	Russia
Geomat raw material	Polypropylene (PP)
Surface density, g/m²	from 400 to 1000
Number of geotextile layers, pcs	1 or 2
Filter element	Non-woven geotextile
Roll width, m	up to 4,2
Roll length, m	up to 60

ADVANTAGES

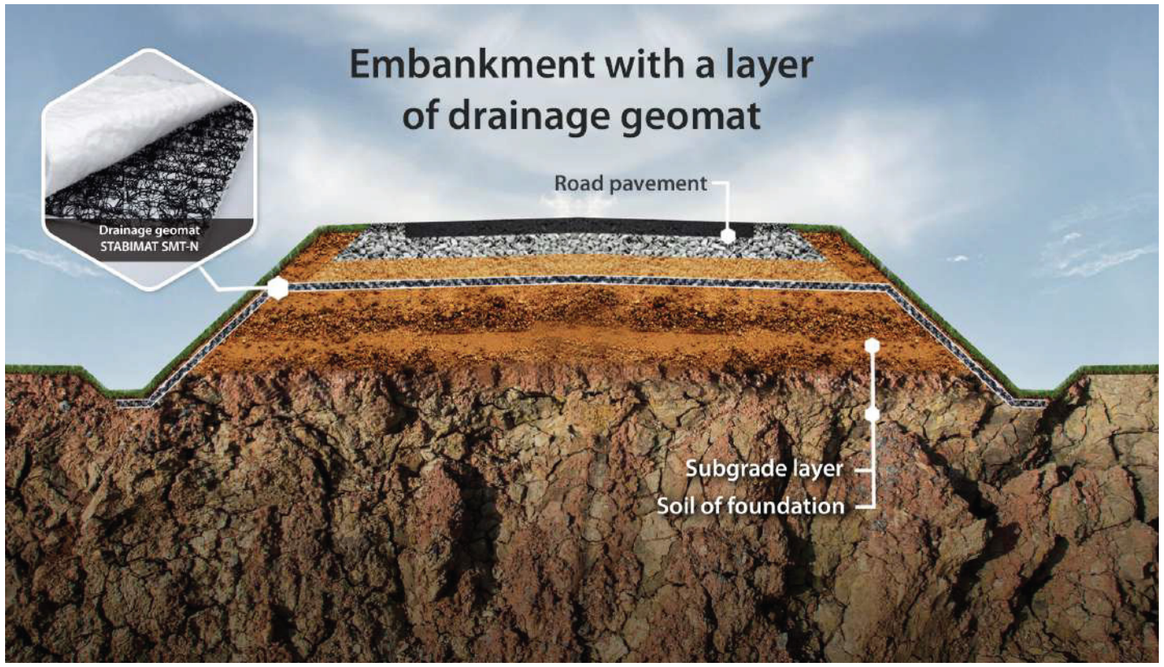
- High drainage capacity
- Optimization of drainage structures with limited availability of traditional inert materials for drainage layers (crushed stone, coarse sand)

APPLICATION

- Collection and drainage of surface and groundwater in drainage systems
- Protection of waterproofing layers during construction

FIELDS OF APPLICATION

- Roads
- MSW landfills
- Construction of airfields
- Mining industry



Drainage

Filtration

Separation

MIAKOM GVD

MIAKOM GVD is a vertical geodrain with a drainage core and an outer shell made of non-woven geotextile. Drainage core type: solid corrugated polyethylene profile.

MAIN CHARACTERISTICS

Country of origin	Russia
Filter material	Non-woven geotextile
Drainage core	Polyethylene (HDPE)
MD Tensile strength, kN/m, not less than	20
Geodrain width, mm	100
Geodrain thickness, mm	4
Coil length, m	200

ADVANTAGES

- Reduction of operating costs by improvement of foundation soils strength characteristics during construction

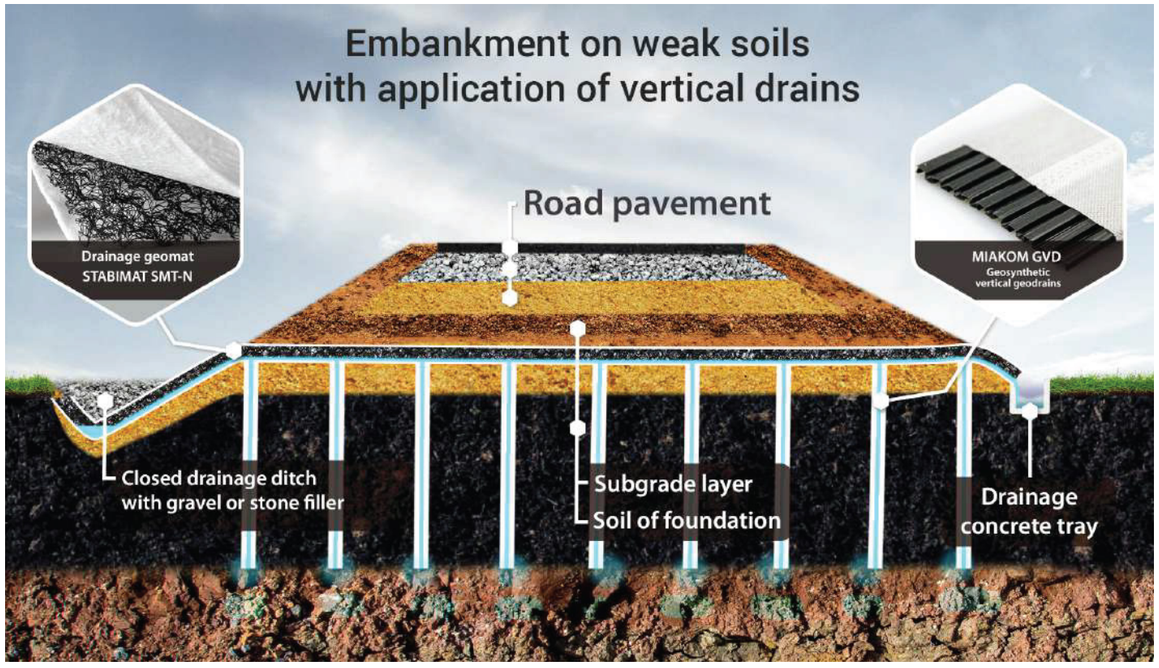
APPLICATION

- Compaction of soft soil at the base of a road structure
- Increase of the embankment stability on soft soil by increase of its strength characteristics due to compaction and reduction of soil moisture during settlement through groundwater drainage

FIELDS OF APPLICATION

- Roads
- MSW landfills
- Construction of airfields

Anchor plate. An anchor device allows you to secure the drain in the ground



Drainage

Filtration

Separation

Waterproofing

GEO DR/M; STABIMAT SMT-N/M

DRAINAGE WATERPROOFING GEOCOMPOSITE consists of a drainage core surrounded by outer geotextile filters. The drainage core of the GEO DR type is made of polyethylene, while the STABIMAT type is made of polypropylene. Both types are designed to drain water in a plane and have filter elements made of non-woven geotextile on one or both sides, as well as a waterproofing geomembrane.

The GEO DR drainage core is a diamond-shaped grid and the STABIMAT drainage core is a three-dimensional structure made of extruded monofilaments.

MAIN CHARACTERISTICS

Country of origin	Russia
Raw material of drainage core (GEO DR)	Polyethylene (HDPE)
Raw material of drainage core (STABIMAT)	Polypropylene (PP)
Number of geotextile layers pcs	1 or 2
Roll width, m	up to 4,2
Roll length, m	up to 50

ADVANTAGES

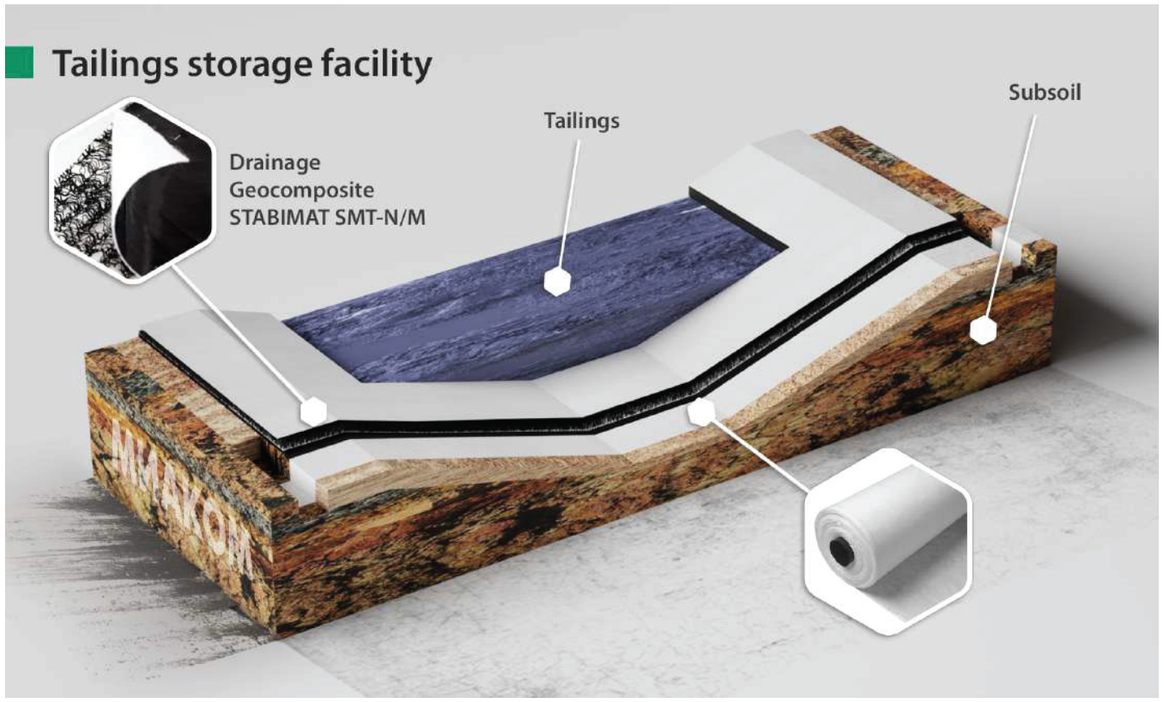
- Combination of drainage and waterproofing functions
- Reduction of installation time compared to separated materials

APPLICATION

- Collection and disposal of surface and groundwater in drainage systems
- Waterproofing layer for hydraulic structures, tailings ponds, sludge reservoirs, MSW and industrial waste reservoirs
- Waterproofing layers in road and railway structures
- Waterproofing layer of fire reservoirs, tanks for storing petroleum products, wastewater
- Waterproofing coating of concrete, brick and other surfaces

FIELDS OF APPLICATION

- Roads
- MSW landfills
- Construction of airfields
- Mining industry
- Hydraulic engineering



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