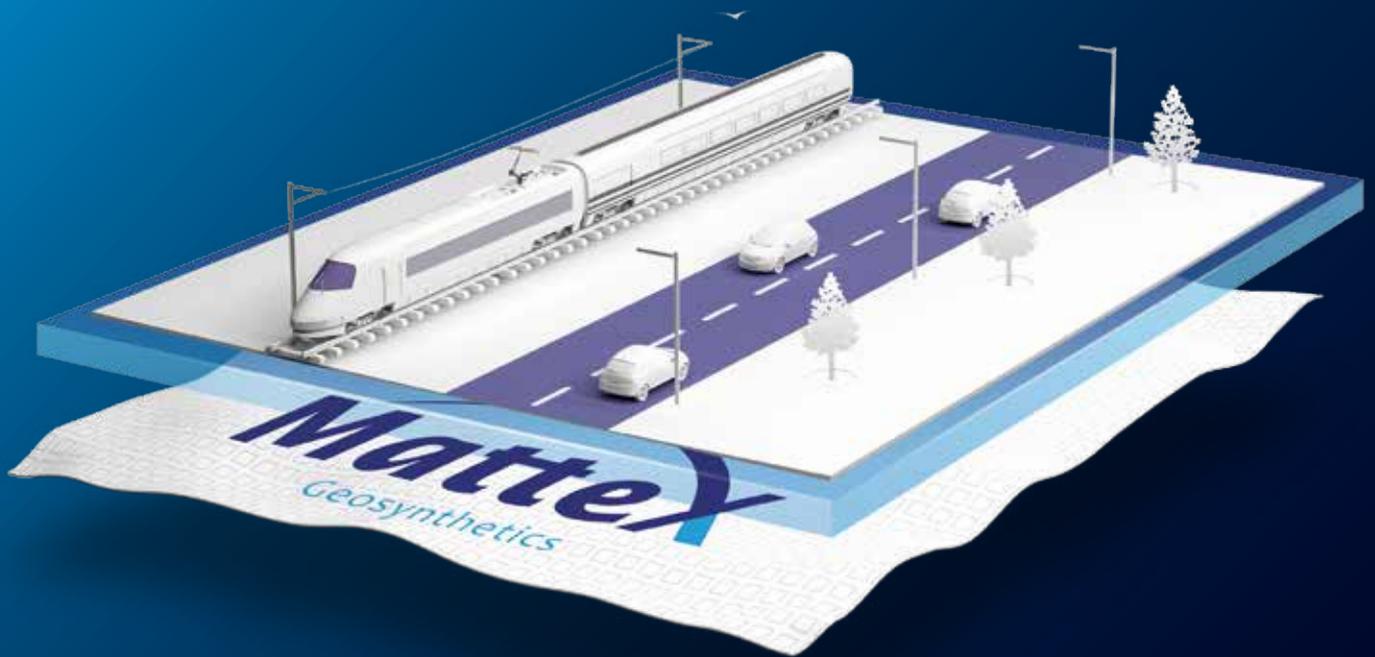


GEOTEXTILES:

A highway to performance
and sustainability



MatteX Geotextile Ranges
Woven & Non-woven



Preferred global partner of choice

Origin of the company

- Founded in 1996 in Jeddah - Saudi Arabia - production of woven technical textiles.
- Expansion of woven capacity in the head quarters of Mattex Dubai, UAE in 2005.
- Installation of international sales offices to establish a global presence in 2007.
- New factory in Al Jubail - Saudi Arabia for the production of high tenacity fibres and non-woven geotextiles in 2011.

The products

- A full range of woven slit tape and monofilament geotextiles, widths up to 535 cm.
- A full range of non-woven needlepunched and thermally bonded geotextiles, widths up to 600 cm.
- A full range of polypropylene high tenacity fibres.



The production sites

- Purpose built state-of-the-art production sites of 180.000 m².
- Close to the best raw material sources and excellent logistical outlets.

Core values

- Creating high value for the customers in commodity and speciality.
- Strong business ethics and fairness.
- Performance driven culture.
- Entrepreneurial spirit.
- Strong commitment to the business.
- Deliver excellence in quality and service.

Success

- Unmatched quality levels, thanks to new equipment, know-how and team effort.
- Wide product range of woven and non-woven geosynthetics.
- Global presence.
- Customer driven international team.
- Technology leader.
- Loyal customer base, leader in the industry in terms of innovation, growth and volumes.
- Continuous growth in product offering.

Production process

WOVEN

Polypropylene Granules



Mattex Yarn extrusion



TerraMatt Woven Geotextiles



Mattex Weaving

NON-WOVEN

Polypropylene Granules



Mattex Fibre extrusion



GeoMatt Non-Woven Geotextiles



Mattex Non-Woven

Products | Non-woven



Mattex Geotextile Range Non-woven

GeoMatt NP – Range

NEEDLE-PUNCHED POLYPROPYLENE NON-WOVEN GEOTEXTILES

GeoMatt TB – Range

THERMALLY BONDED POLYPROPYLENE NON-WOVEN GEOTEXTILES

Geotextiles made from polypropylene cut (staple) fibers, formed into a uniform web and then needle-punched for entanglement to achieve high strength. For certain applications, the non-woven geotextiles may then be heat treated by forced air thermal bonding and/or by calendaring, which is pressing with a hot roll and high pressure.



PRODUCT ADVANTAGES

Nonwoven geotextiles have the highest coefficient of friction against soil or stone, and have the ability to locally elongate to relieve stress concentrations to avoid construction damage and the nonwovens conform well to irregular ground surfaces. Nonwovens have higher permittivity and water flow, yet have a tighter pore size to be a finer filter.

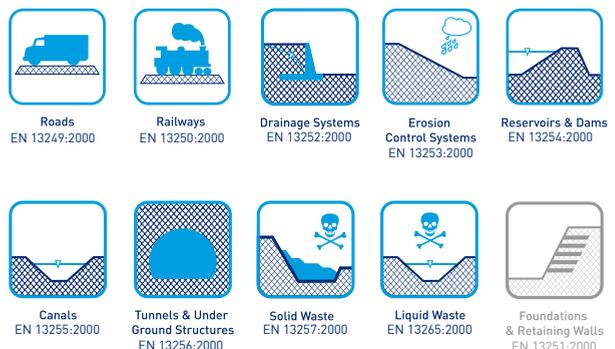
PRODUCT FUNCTIONS

Nonwovens provide separation, filtration, drainage, asphalt absorption; and cushion/protection.



PRODUCT APPLICATIONS

Used for separation/stabilization beneath paved and unpaved roads, parking lots, etc.; for drainage and filtration applications; erosion control; beneath riprap; landscaping; as cushion/protection in lining systems; and as a pavement interlayer.



NON-WOVENS ADVANTAGES

High grade local polymer for strong fibers and minimum transportation costs (green manufacturing); new, state-of-the-art needle-punch non-woven lines produce very uniform fabric structure with the lowest standard deviation (M.A.R.V. advantage); six meter wide manufacturing capability is the widest in the industry, ideal for some applications; and heat treating capabilities allow a wide variety of physical properties and many performance options for the non-wovens.

Products | Woven



Mattex Geotextile Range Woven

TerraMatt W range

WOVEN SLIT FILM GEOTEXTILES

Strong, durable geotextiles made with tapes/yarns slit from polypropylene film and then stretched to maximize strength. Yarns are woven on into highly uniform geotextile fabrics in widths up to 17.5 feet (533 cm). Polypropylene is highly resistant to a wide variety of chemicals and extreme pH environments and the polymer is treated with additives for extended life even when exposed to UV light.



PRODUCT ADVANTAGES

Slit film wovens are the most widely used geotextiles because of their application versatility, high strength and construction survivability/durability at the lowest cost.

PRODUCT FUNCTIONS

TerraMatt W geotextiles provide separation, reinforcement, filtration, (the function is filtration, not drainage but non-wovens can allow drainage within their plane) and containment.



Separation/
stabilization



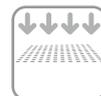
Filtration



Reinforcement



Drainage



Protection

PRODUCT APPLICATIONS

Typically used for separation/stabilization beneath paved and unpaved roads, parking lots, etc.; reinforcement of roads, walls, etc.; geotubes; erosion control; landscaping; and emergency flood control.



Roads
EN 13249:2000



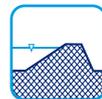
Railways
EN 13250:2000



Foundations
& Retaining Walls
EN 13251:2000



Erosion
Control Systems
EN 13253:2000



Reservoirs & Dams
EN 13254:2000



Canals
EN 13255:2000



Drainage Systems
EN 13252:2000



Tunnels & Under
Ground Structures
EN 13256:2000



Solid Waste
EN 13257:2000



Liquid Waste
EN 13258:2000

WOVENS ADVANTAGES

High grade local polymer for strongest yarns and minimum transportation costs (green manufacturing); new state-of-the-art flat looms produce very uniform fabric structure with the lowest standard deviation (M.A.R.V. advantage), and the highest strength-to-weight ratio in the industry, to keep manufacturing costs down. The TerraMatt W geotextiles can give significant project cost savings when used in constructions compared to traditional construction materials and TerraMatt W extends the life of the structure by preserving the as-built integrity.

Global Presence



Mattex Jubail

Non-woven and fibre plant

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