Ready to
improve your
construction

ForTex
Geocomposites

ForTex Geocomposites are developed for bi-axial or uni-axial strength requirements for various applications of civil engineering serves reinforcement, separation and filtration requirements in one product.

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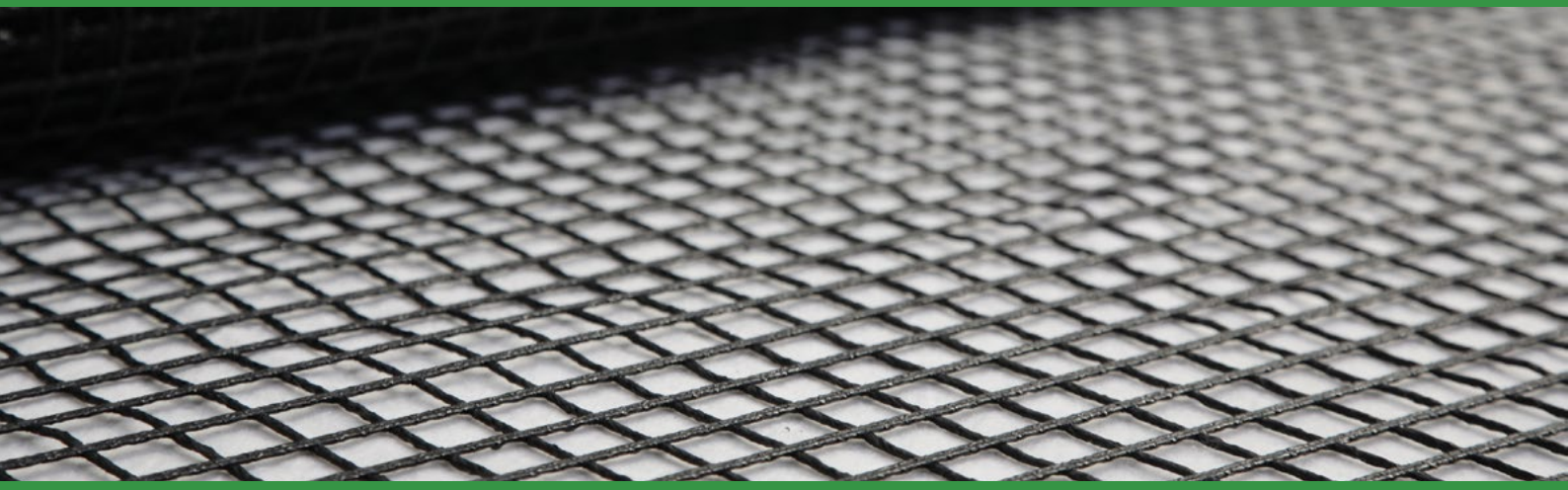

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Geocomposites

ForTex Geocomposites are manufactured by knitted polyester yarns in the rectangular form, covered with polymeric coating and combined with non-woven geotextile in production line.
ForTex Bi-Axial and Uni-Axial Geocomposites are specifically developed for stabilization, filtration purposes and also separation of filling materials has different grain size distributions.

Fields of Application

- Providing higher bearing capacity for the runway, apron and taxiway foundations at the airports.
- Providing drainage systems under high foundation loads of various projects.
- New line constructions of railway applications.
- Preventing local settlements in applications at highways and railways to be performed on poor soil.
- Reducing the thickness of foundation and subbase.
- As reinforcement for highway expansion projects.
- Reducing the quantities of ballast and sub-ballast of railways.
- Setting load transfer platform or as a basal reinforcement over piles under foundations or high embankments.
- Improving the load bearing capacity and preventing local settlements for the foundations against the heavy loads at the foundations of container storage yards and industrial structures.
- Gives tensile force to filling layer applied over poor soils to acomplish compaction.

Application

The ground surface where the geocomposite will be laid should be leveled; the ground should be prepared by making sure that there are no harmful objects that will affect the application, such as plant roots, holes, large and sharp stones, etc. The geocomposite should be laid smoothly and tightly on the prepared ground. Fluctuations should be corrected by stretching. Geocomposite reinforcement should be laid side by side without leaving any gaps and rolls should be overlapped at the edges. Overlap width can be selected according to project or ground CBR conditions. U (П) or L (Г) shaped steel will be anchored to the ground at certain intervals along the overlaps of the laid material. Geocomposite can be wraparound at the embankment edges to prevent lateral spreading. Wraparound length is given at project. After the top filling is completed, wraparound part can flip over the filling and fixed with the help of U (П) or L (Г) steel bars.
Construction machinery and trucks will never be allowed to travel directly on the geogrid reinforcement. Trucks will move backwards and unload backfill to the area where the reinforcement has been laid. Construction machinery and trucks will be able to move on the geogrid reinforcement after at least 15 cm of filling material is laid.

Advantages

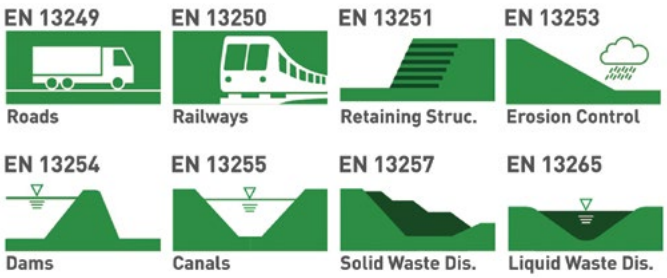
- Serves all advantages of ForTex Geocomposites adding filtration and separation properties.
- Enables ease of use and lower workmanship by combination of two products in one.
- Prevents the granular filling from sinking into the lower layer of the ground by applying on poor soils have water problems.
- Enables application of the backfill layer to be laid on poor bearing soil with less thickness.
- Forms a platform with the fill on poor bearing soils and reduce differential settlements.
- Enables to reduce excavation thickness of poor soil.
- Durable, resistant to seismic and dynamic loads, reliable and cost-effective.

Range of Products

Products	Tensile Strength (kN/m)	
	MD	CMD
ForTex GC 20/20 P	20	20
ForTex GC 30/30 P	30	30
ForTex GC 40/40 P	40	40
ForTex GC 60/60 P	60	60
ForTex GC 80/80 P	80	80
ForTex GC 100/100 P	100	100
ForTex GC 120/120 P	120	120
ForTex GC 150/150 P	150	150
ForTex GC 200/200 P	200	200
ForTex GC 300/300 P	300	300
ForTex GC 400/400 P	400	400
ForTex GC 600/600 P	600	600
ForTex GC 800/800 P	800	800

Special types can be manufactured on request.

Intended Use



Packaging And Storage

ForTex Geocomposites, is manufactured in rolls up to 5,25-6 m width and generally 50-100 m length. Each roll is shipped in PE packaging for protection against UV effects. If the rolls are to be stacked up on top of each other, it is recommended to stack up to maximum 6 rows. Rolls should be stored protected against direct sun light, rain, heat sources under cover. Please request loading information from your sale representative.

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Fortex Geocomposites are durable, resistant to seismic and dynamic loads, reliable and cost-effective.

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