

Ready to
improve your
construction



ForTex
Uni-Axial Geogrids

ForTex Uni-Axial Geogrids are high-strength materials which are manufactured by knitted polyester yarns in rectangular form and covered with polymeric coating, developed for uni-direction geogrids requirements for various applications of civil engineering.



ForTex

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ForTex Uni-Axial Geogrids can be used for applications such as slope stabilization and GeoArme reinforced retaining structure systems where uni-directional reinforcement is required. Fast and economic application, high resistance against earthquake forces, flexible for deformations within limits and also its aesthetic appearance properties are effective.

Fields of Application

- Bridge abutment walls.
- Bridge elevation walls.
- Road widening.
- Reinforced steep slopes.
- Reconstruction of landslide areas.
- Construction for gaining space.
- Walls for recreational areas.
- Rock fall barriers and noise barriers.

Application

The ground surface where the geogrid 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 geogrid should be laid smoothly and tightly on the prepared ground. Fluctuations should be corrected by stretching. Geogrid 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 specifications. U (Π) or L (Γ) shaped steel will

be anchored to the ground at certain intervals along the overlaps of the laid material. 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. Detailed application should follow method statement of application project.



Advantages

- Durable geogrids are resistant to seismic and dynamic loads and reliable.
- The grains of the fill material fully interlocks with the openings of the geogrid. Therefore, the tensile stress and the shear stress to act on the soil are compensated by geogrid, thus forming a reinforced platform.
- Polyester geogrids have high long-term strength, it is the most effective product for geogrid reinforced walls and slopes.

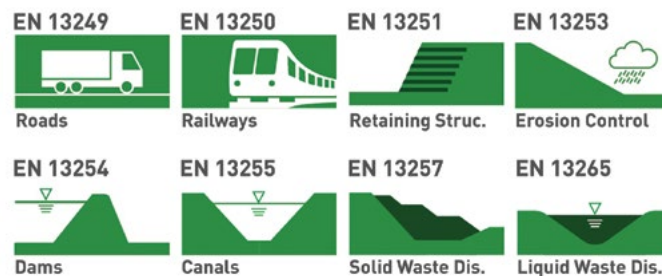
Range of Products



Product	Standart (TS EN ISO 10319)	
	Tensile Strength (kN/m)	
	MD	CMD
ForTex GG 40/20 P	40	20
ForTex GG 60/20 P	60	20
ForTex GG 80/30 P	80	30
ForTex GG 100/30 P	100	30
ForTex GG 120/30 P	120	30
ForTex GG 150/30 P	150	30
ForTex GG 200/30 P	200	30
ForTex GG 300/30 P	300	30
ForTex GG 400/30 P	400	30
ForTex GG 600/30 P	600	30

Special types can be manufactured on request.

Intended Use

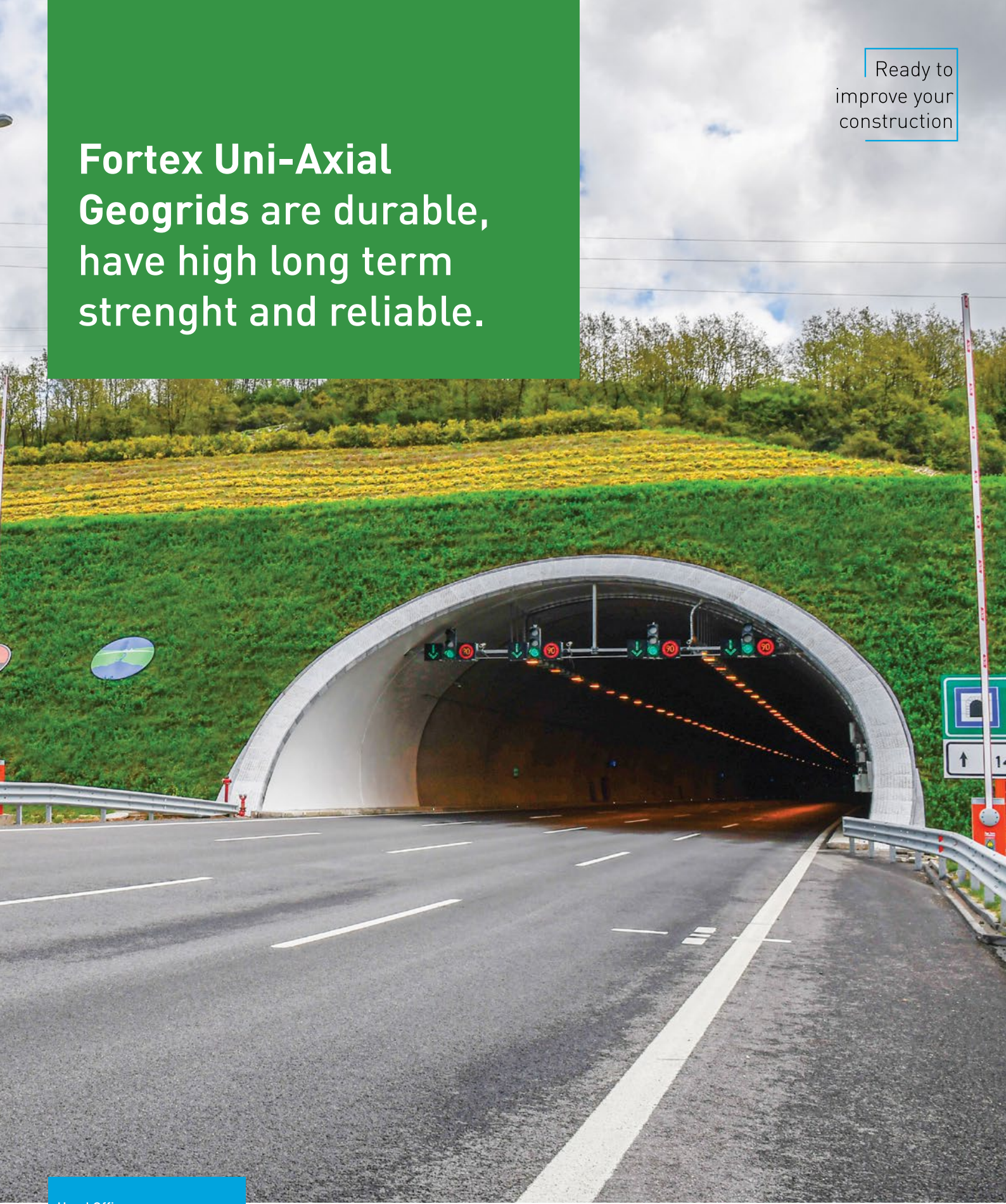


Packaging And Storage

ForTex Uni-Axial Geogrids, is manufactured in rolls up to 5,25-6 m width and generally 50-100 m length. Each roll is shipped in PE packaging in 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 Uni-Axial
Geogrids are durable,
have high long term
strenght and reliable.**



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