



Professional solutions
you need



ForTech

GG Bi-Axial Geogrid



Fortech GG Bi-Axial Geogrids, are high strength geogrids specifically developed for bi-axial requirements in various civil engineering applications.

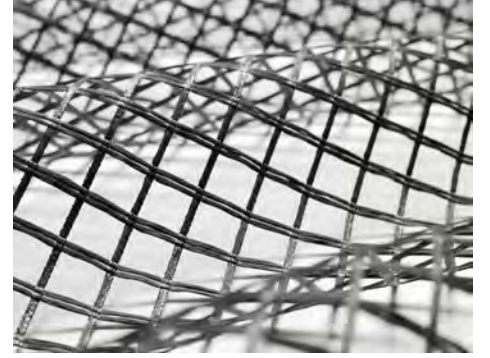
These geogrids are produced with the method of knitting polyester yarns in rectangular shape and coating them with polymer material. These are the stabilization products that compensate the horizontal tensile strength in the dispersion of vertical loads in the floor.



www.iysteknik.com

+90 216 395 77 66 +90 216 446 17 28
Yayla Mah. Özgür Sok. No: 24 B
Tuzla, İSTANBUL-TÜRKİYE





Fields of Application and Use

Fortech GG Bi-Axial Geogrids are high resistant Geogrids developed specially for use in the following areas where resistance is necessary in both sides, for the purpose of ensuring stabilization.

- Providing higher bearing capacities in the foundations of runways, aprons and taxiways at airports
- Prevention of local subsidence in applications to be made on low bearing surfaces on highways by reducing the base and sub-base filling materials
- Filling works of highway expansion projects
- Ground improvements for reducing the amount of ballast and sub-ballast to avoid potential subsidence in railway applications to be made on weak soil.
- Increasing the bearing capacity of heavy foundations and prevention of local subsidence in container storage areas and the foundations of industrial buildings.

Advantages

- Enables application of a thinner backfill layer to be laid on poor ground.
- Forms a platform with the fill on weak soils and prevents varied ground subsidences.
- When it is applied in multi layers, it improves the load bearing capacity of the ground.
- Reduces the amount of earthwork excavation when the existing surface has insufficient process quality.
- These are durable, long-lasting, reliable, cost-effective and resistant to seismic and dynamic loads.

Packaging and Storage

- Bi-Axial Geogrid is generally produced as rolls with a width of 5.25 and 6 m and a length of 50 and 100 m. Each roll is shipped in UV-resistant packaging.
- It is recommended not to stack up more than 6 rolls on top of each other, and in case of rolls with smaller width (up to 2 m), the rolls should be loaded and stored in the vertical position.

Technical Specifications

Products	Standart (TS EN ISO 10319)			
	Tensile Strength (kN/m)		Elongation at Nominal Strength (%)	
	MD	CMD	MD	CMD
ForTech GG 20/20 P	20	20	12(±2)	12(±2)
ForTech GG 30/30 P	30	30	12(±2)	12(±2)
ForTech GG 40/40 P	40	40	12(±2)	12(±2)
ForTech GG 60/60 P	60	60	12(±2)	12(±2)
ForTech GG 80/80 P	80	80	12(±2)	12(±2)
ForTech GG 100/100 P	100	100	12(±2)	12(±2)
ForTech GG 150/150 P	150	150	12(±2)	12(±2)
ForTech GG 200/200 P	200	200	12(±2)	12(±2)