

## Wholesale High Quality&Factory Price Biaxial Geogrid From China Biaxial Geogrid Manufacturers

Taidong is a professional biaxial geogrid manufacturer, supply high quality&factory price biaxial geogrid, welcome to consult wholesale biaxial geogrid for sale.

PP Biaxial Geogrid is produced from Polypropylene, it is processed by extruding, longitudinal stretching and horizontal stretching. biaxial geogrid for sale has high tensile strength at both longitudinal and horizontal directions. High quality biaxial geogrid is a completed formed structure, which especially applied for soil stabilization and reinforcement applications. It makes soil reinforced with its excellent structural stability and strong mechanical interlock performance. It is very popular to use for the construction not only because of its good Reinforcement function but also because it has good resistance to acid, alkali, corrosion, and aging.

### Features of Biaxial Geogrid

PP biaxial geogrid is made of the polymer through extrusion, plate forming, punching process and then longitudinal and transverse stretching. The material has great tensile strength in both longitudinal and transverse direction, and this structure can also provide a more effective force bearing and diffusion ideal chain system in the soil, which is suitable for the reinforcement of large area of the permanent bearing foundation.

In the manufacturing of biaxial geogrid factory price produced by the China biaxial geogrid manufacturers, polymers will be rearranged and reoriented along with the heating and extension process, which strengthens the bonding force between molecular chains and achieves the purpose of improving their strength. Its elongation is only 10% ~ 15% of the original plate. If carbon black and other anti-aging materials are added into the geogrid, it can be made to have better resistance to acid, alkali, corrosion, and aging.

1. Biaxial geogrid can improve bearing capacity of foundation
2. Biaxial geogrid can prevent cracking and subsiding
3. Biaxial geogrid for sale is convenient to construct, reducing cost and maintaining expense



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### PP Biaxial Geogrid Technical Data

Item Size	15-15	20-20	25-25	30-30	40-40	45-45	50-50
Tensile Strength KN/m(MD) ≥	15	20	25	30	40	45	50
Tensile Strength KN/m(CD) ≥	15	20	25	30	40	45	50
Elongation Rate%(MD) ≤	13						
Elongation Rate%(CD) ≤	13						
Tensile strength at 2% elongation KN/m(MD) ≥	5	7	9	10.5	14	16	17.5
Tensile strength at 2% elongation KN/m(CD) ≥	5	7	9	10.5	14	16	17.5
Tensile strength at 5% elongation KN/m(MD) ≥	7	14	17	21	28	32	35
Tensile strength at 5% elongation KN/m(CD) ≥	7	14	17	21	28	32	35
Junction Efficiency (%)	93						
Length (m)	50						

### Application of Biaxial Geogrid

1. Road Reinforcement
2. Expressway Reinforcement
3. Railway Reinforcement
4. Port Reinforcement
5. Airport Reinforcement
6. Landfill Reinforcement
7. Irrigation Project
8. Sea Reclamation Project



### **Installation of Biaxial Geogrid**

1. Firstly, the slope line of the subgrade is accurately released. In order to ensure the width of subgrade, each side is widened by 0.5m. After the leveling of the base-soil, the 25T vibratory roller is used for static pressure twice, and 50T vibratory pressure is used for four times.
2. Lay 0.3m thick medium (coarse) sand. After manual and mechanical leveling, the vibration roller of 25T will be static pressed twice.
3. laying PP Biaxial Geogrid, biaxial geogrid factory price produced by the China biaxial geogrid manufacturers laying floor should level off, dense, generally should be flat, straight, cannot overlap, not curl, kink, the adjacent two geogrids to lap 0.2 m, and along the embankment lateral part of geogrid lap every 1 meter by using 8 wire connection, and the laying of the grille, 1.5 2 m with U every nail fixed on the floor.
4. After the first layer of high quality biaxial geogrid is paved, the second layer of 0.2m thick medium (coarse) and shall be filled in, with a total thickness of 0.5m. Four, eighty-two, eighty-two. One, seven. The methods: car to the construction site loaded with sand discharge in roadbed side, and then with a bulldozer driven push forward, put on

both sides of subgrade filling after 0.1 m 2 m scope, fold the first layer geogrid flipping over again fill in 0.1 meters of coarse sand, ban on both sides to the middle of filling and propulsion, banned all kinds of machinery without filling sand (coarse) geogrid to traffic assignment, so that can guarantee smooth geogrid, don't drum, not wrinkle, stay in the second layer (coarse) after sand smooth, level measurement, prevent uneven filling thickness, after waiting for sight and correct for 25t vibratory roller static pressure twice.

5. The construction method of the second layer of the geotechnical grating is the same as that of the first layer, and the middle (coarse) sand of 0.3m is finally filled in. The filling method is the same as that of the first layer, and the static pressure of 25T roller is used for two times so that the reinforcement of the subgrade base is completed.

6. in the third layer (thick) and compaction, longitudinal in slope on each side along the route laying geogrid two paintings, lap 0.16 m, is connected by the same method, and then start earthwork construction, laying geogrid slope protection, must be measured on each floor laid side, each side to ensure the slope after renovation geogrids embedded analysis within 0.10 m.

7. each slope geogrid is filled with two layers of soil, that is, when the thickness is 0.8m, a layer of geogrid shall be laid on both sides at the same time, and then by the same method, until it is laid under the soil on the shoulder surface of the road.

8. After the subgrade is filled, the slope shall be repaired in a timely manner, and the foot of the slope shall be protected by dry masonry slabs. The subgrade shall be widened by 0.3m on each side and 1.5% settlement shall be reserved.

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