Steel-plastic compound geogrid

**Introduction**:

Steel-plastic compound geogrid is made of steel-plastic stripes by new process, with regular pressed in the surface,it can bear extreme strength and increase friction between soil. on the whole limited soil shear, side extrusion and uplift, while the reinforced soil cushion stiffness ,which is better for the spread of the upper base load and distribute to the underlying soft soil, improve the bearing ability.For reinforced soil cushion,it increase the compression layer of the overall stiffness ,and more easy to adjust the deformation of basement. The steel-plastic compound geogrid ,formed reinforced composite cushion structure, is flexible and can very well absorb the energy of the earthquake, so the aseismicity is good.

**Specifications**:

Biaxial common type: GSZ30-30、GSZ40-40、GSZ50-50、GSZ60-50、GSZ60-50、GSZ80-80 and so on.

Biaxial special type: GDZ50-30、GDZ60-40、GDZ80-30、GDZ80-40、GDZ60-40 and so on.

**Properties**

High strength, low creepage , can adapt to various types of environmental soil and fully meet the use of the high retaining wall in highway.It can be effectively in improving the bearing surface of the embedded reinforcement locks, occlusion effect, which greatly enhance the bearing ability, effectively limit shift of soil constraints, and enhance a solid foundation of performance;

**Application**:

Can be used in highway, railway, embankment, abutment, construction of access road, pier, revetment, levee, dam, beach management, freight yard, residue field, airport, stadium, green building, soft foundation, retaining wall, slope protection inferior civil engineering and road resistance.

**Biaxial steel-plastic compound geogrid performance**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Model | Max Tensile StrengthkN/m | Elongation at break% | 100 freeze-thaw cycles ultimate tensile strength kN/m | 100 freezing and thawing elongation% | Anti-freeze℃ | Peel strength at Welding, Bonding N |
| MD | TD  | MD | TD | MD | TD | MD | TD |
| GDZ50-20 | 50 | 20 | ≤3 | ≤3 | 50 | 20 | ≤3 | ≤3 | -35 | ≥100 |
| GDZ60-20 | 60 | 20 | ≤3 | ≤3 | 60 | 20 | ≤3 | ≤3 | -35 | ≥100 |
| GDZ80-20 | 80 | 20 | ≤3 | ≤3 | 80 | 20 | ≤3 | ≤3 | -35 | ≥100 |
| GDZ50-30 | 50 | 30 | ≤3 | ≤3 | 50 | 30 | ≤3 | ≤3 | -35 | ≥100 |
| GDZ60-40 | 60 | 40 | ≤3 | ≤3 | 60 | 40 | ≤3 | ≤3 | -35 | ≥100 |
| GDZ80-40 | 80 | 40 | ≤3 | ≤3 | 80 | 40 | ≤3 | ≤3 | -35 | ≥100 |