GeoFence
SEDIMENT SHIELD

# Technical Data Sheet

The GeoFence silt fence is constructed with a 24"tall High Tensile Strength Polypropylene Geogrid Mesh, covered with a 36" woven slit tape polypropylene silt fence fabric. The silt fence fabric is attached to the geogrid reinforcement with galvanized c-rings. The rigid and high tensile strength geogrid mesh reinforcement supports the silt fence fabric in an upright position even under extreme storm events. The geotextile silt fence apron tag extends into the anchoring trench, providing anchoring and eliminating undercutting from extreme stormwater forces. GeoFence may be reinforced with either wooden or metal t-post stakes, placed on 8 ft. centers.

## Geotextile Product Data

**Product Type:** Integrally Formed Biaxial Geogrid | **Polymer:** Polypropylene

| PROPERTIES | TEST METHOD | MINIMUM AVERAGE ROLL VALUE |
|---|---|---|
| Roll Dimensions (Nominal) | | 18" Diameter, 24" Height |
| Aperture Dimensions (Nominal) | ASTM D4759-02 | 1.5" MD, 1.5" XMD |
| Minimum Rib Thickness (Nominal) | ASTM D4759-02 | 0.03" MD, 0.02" XMD |
| Ultimate Tensile Strength | ASTM D6637-10 Method A | 855 lb/ft MD, 855 lb/ft XMD |
| Junction Efficiency | ASTM D7737-11 | 93% |
| Overall Flexural Rigidity | ASTM D7748/D7748M-14 | 160,000 mg-cm |
| Aperture Stability | GRI GG9 | 0.32 m-N/deg |
| Resistance to Installation Damage | ASTM D6637 | 95% clayey sand, 93% well-graded sand, 90% poorly graded gravel |
| Resistance to Long Term Degradation | EPA 9090 | 100% |
| Resistance to UV Degradation | ASTM D4355-05 | 100% |

## Geogrid Product Data

**Product Type:** Silt Film Woven Geotextile Fabric | **Polymer:** Polypropylene

| PROPERTIES | TEST METHOD | MINIMUM AVERAGE ROLL VALUE |
|---|---|---|
| Mass/Unit Area | ASTM D 6566 | 70 GSM |
| Grab Tensile | ASTM D 4632 | 90X90 lbs |
| Elongation | ASTM D 4632 | 12% |
| Trapezoidal Tear ASTM D 4533 30 lbs | ASTM D 4533 | 30 lbs |
| Puncture | ASTM D 4833 | 40 lbs |
| UV Resistance | ASTM D 4355 | 80% @ 500hrs |
| AOS | ASTM D 4751 | 0.6 mm |
| Permittivity | ASTM D 4491 | 0.05 sec-1 |

**Dimensions and Packaging:** 18"x18"x24" Roll Dimensions (Nominal) | 18 rolls per pallet