

SiltGuard HD-77 (DOT)

Polypropylene Geogrid Reinforced Silt Fence

SiltGuard HD-77 (DOT) Polypropylene Geogrid Reinforced 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. SiltGuard may be reinforced with either wooden or metal t-post stakes, placed on 8 ft. centers.

Siltguard Advantages

- Exhibits a higher tensile strength than wire, producing a rigid, yet economical reinforced silt fence product.
- 100% recyclable as the components are polypropylene, offering an environmentally friendly sediment control product.
- May be used effectively in low volume channels, slopes, jobsite perimeter, linear right of way, or pipeline applications.
- SiltGuard removal after jobsites have been completed is a snap!
- Increases labor efficiencies with average roll weights of only 18#/roll, compared to 30# or 38# for traditional 14 ga. 4x4 and 2x4 wire mesh reinforced silt fence respectively.
- Proudly made in Texas, U.S.A. and satisfies all Buy America requirements.



Specifications-Polypropylene Geogrid Mesh Reinforcement

Geogrid mesh reinforcement shall meet the following requirements:

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|----|-----------------------------|--------------|
| 1) | Aperture Dimension-Nominal: | 1.2" x 1.2" |
| 2) | Ultimate Tensile Strength: | 1,000 lb./ft |
| 3) | Dimension: | 24" x 100' |

Properties	Test Method	Minimum Values
Roll Size		3' x 100'
Polypropylene Geogrid Mesh	ASTM D6637	Min. values 24" x 100' - 1.2" x 1.2" opening
FABRIC		
Tensile Strength (Grab)	ASTM D4632	100 x 100 lbs
Elongation	ASTM D4632	15%
CBR Puncture	ASTM D6241	250 lbs
Trapezoidal Tear	ASTM D4533	50 X 50 lbs
UV Resistance (500 hours)	ASTM D4355	70%
Apparennt Opening Size (AOS)*	ASTM D4751	30 US Std. Sieve
Permittivity	ASTM D4491	0.05 sec ⁻¹
Water Flow Rate	ASTM D4491	8 gpm/ft ²

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