

# SFI36/36/10LB Woven Silt Fence Specifications

**DESCRIPTION:** Woven Silt Fence shall consist of four parts:

1. Silt Fence geotextile shall be a 36" slit film, woven filter fabric machine produced from 100% polypropylene. Geotextile should be designed specifically to retain sediment and remain highly permeable to water. Desired characteristics include small pore size, high U.V. resistance, high permittivity, and a high percent open area.
2. Nominal 2" x 2" x 36" hardwood stake with a chisel or pencil point
3. Nominal 2" x 24" hardwood lath
4. Staples 1 1/2" GS16

## **GEOTEXTILE PROPERTIES:**

<u>Mechanical/ Physical Properties</u>	<u>Description/Minimum Average Roll Values</u>	<u>Test Method</u>
Structure	Woven, Slit Film	
Polymer	Polypropylene	
U.V. Resistance (@ 500hrs)	>80% Strength Retained	ASTM D4355
Permittivity	0.1 Sec <sup>-1</sup>	ASTM D4491
Flow Rate	8 gpm/ft <sup>2</sup>	ASTM D4491
Grab Tensile Strength	100 lbs x 100 lbs	ASTM D4632
Grab Tensile Elongation	15% x 15%	ASTM D4632
Trapezoid Tear Strength	50 x 50 lbs	ASTM D4533
AOS (U.S. Sieve)	#30 Sieve	ASTM D4751
CBR Puncture Strength	250 lbs	ASTM D6241
Color	<b><u>Black</u></b>	

## **ASSEMBLY:**

Silt fence geotextile shall be attached to hardwood stakes with hardwood laths and secured with a minimum of five 1 1/2" staples. Hardwood stakes shall be 10' on center. The bottom 12" of fabric shall be left unsecured to allow for entrenchment.

## **PREPARATION/INSTALLATION:**

Create a 6" deep trench along proposed fence line. Drive the stakes into the trench a minimum of 8". Be sure to stretch fabric taut when driving stakes. Stakes must be installed on the downhill or downstream side of fence. Drape loose end of geotextile into trench, then backfill and compact soil on both sides.

## **PACKAGING:**

Color:	Black
Fabric Width	36"
Post Length	36"
LF/Roll	100'