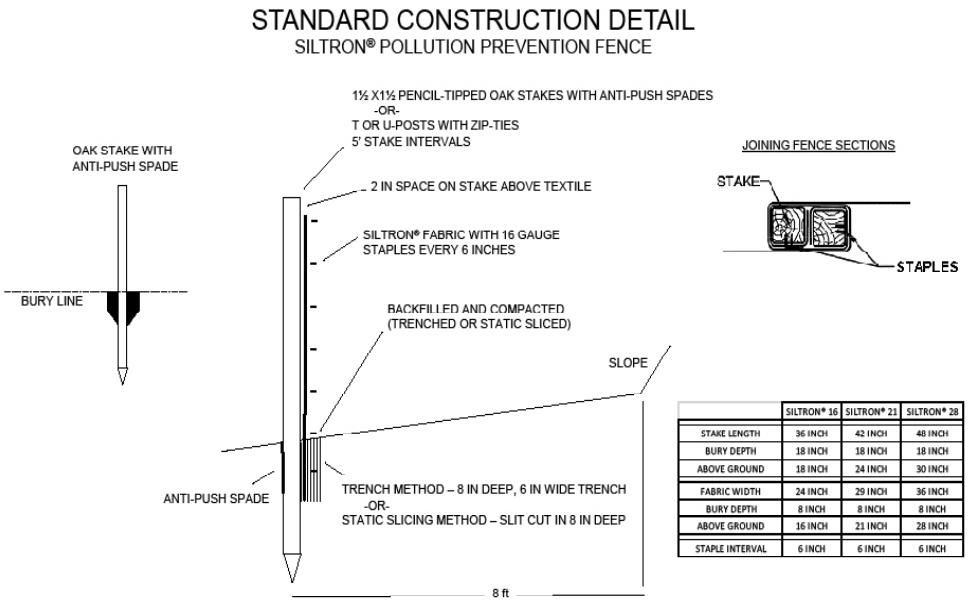
SILTRON®

Instructions

For use in sediment perimeter control. Follow instructions for optimal effectiveness.



	SILTRON® 16	SILTRON® 21	SILTRON® 28
STAKE LENGTH	36 INCH	42 INCH	48 INCH
BURY DEPTH	18 INCH	18 INCH	18 INCH
ABOVE GROUND	18 INCH	24 INCH	30 INCH
FABRIC WIDTH	24 INCH	29 INCH	36 INCH
BURY DEPTH	8 INCH	8 INCH	8 INCH
ABOVE GROUND	16 INCH	21 INCH	28 INCH
STAPLE INTERVAL	6 INCH	6 INCH	6 INCH

-Fabric shall have at least the regulatory minimal properties shown in the table.

-Wood stakes shall be a true 1 ½ x 1 ½ pencil-tipped oak stake and must include integrated anti-push spade –or- equivalent steel (U or T) stake. Stakes placed at 5' intervals.

-Fence shall be placed at level existing grade. Both ends of fence shall be extended at least 8 feet up slope at 45 degrees to main fence alignment (see Figure 4.1 in PA DEP Manual).

-Sediment shall be removed when accumulations reach half the above ground height of the fence.

-Any section of fence which has been compromised through physical damage or is blinded with sediment or hydrocarbons shall be immediately replaced either a rock filter outlet configuration, or filter sock (compost or switch-grass).

-If undercutting occurs, fill must be added to trench and area re-compacted.

-Fence shall be removed and properly disposed of when tributary area is permanently stabilized.

PARAMETERS	REGULATORY MINIMUMS	EXAMPLE (Siltron®)
Fabric Construction Type	3-layer needle-punched composite	3-layer needle-punched composite
Hydrocarbon Retention	5 oz per square foot	5 oz per square foot
Fabric Width		
16 inch above ground, 8 inch bury	24 inches	24 inches (Siltron® 16)
21 inch above ground, 8 inch bury	29 inches	29 inches (Siltron® 21)
28 inch above ground, 8 inch bury	36 inches	36 inches (Siltron® 28)
Fabric Thickness (ASTM 5199)	7.50 mm ±10% (295 mils)	7.95 mm ±10% (313 mils)
Fabric Weight, oz/yd2	30 oz/yd2	33.7 oz/yd2
Grab Tensile (ASTM D 4632)		
MD	300 lbs	405 lbs
TD	200 lbs	210 lbs
Elongation (ASTM D 4632)		
MD	25% at failure (300 lbs)	21% at failure (405 lbs)
TD	25% at failure (200 lbs)	8.7% at failure (210 lbs)
Puncture Strength (ASTM D 4833)	200 lbs	224 lbs
Trapezoidal Tear (ASTM D 4533)		
MD	125 lbs	142 lbs
TD	125 lbs	135 lbs
Mullen Burst Strength (ASTM D 3786, modified)	700 lbs	759 lbs
Apparent Opening Size (ASTM D 4751)	.120 mm (non-w oven composite)	.142 mm (non-w oven composite)
Permittivity (ASTM D 4491)	45 gpm/ft2	46.2 gpm/ft2
UV Stability (ASTM D 4355)	100%	100%
Filtering Efficiency and Flow rate (ASTM 5141)		
Clear Water Rate, gal/m/ft2	15 gpm/ft2	17.8 gpm/ft2
Silty Clay Rate	1.50 gpm/ft2	1.51 gpm/ft2
Filtering Efficiency and Flow rate (ASTM 5141)	96.0%	97.9%

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