

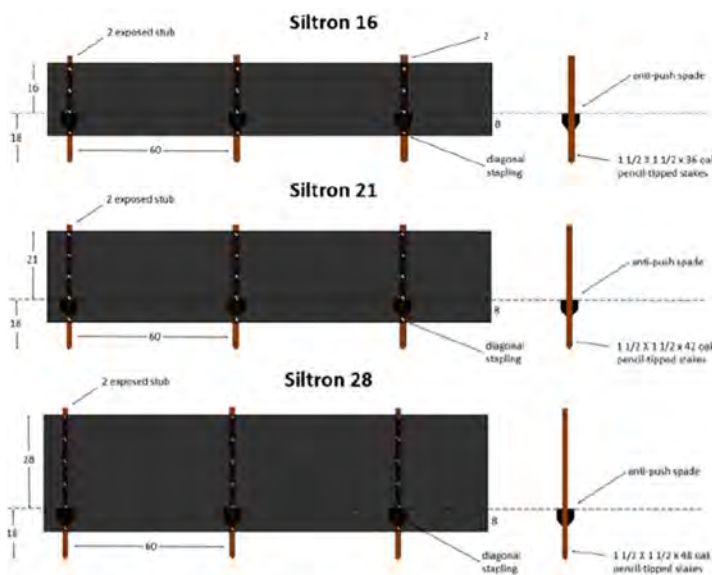
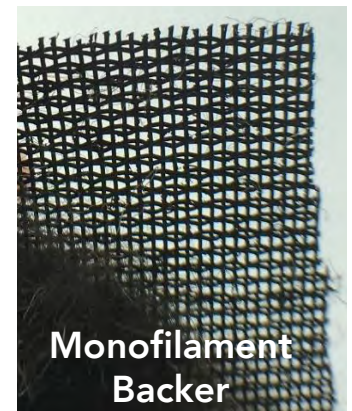
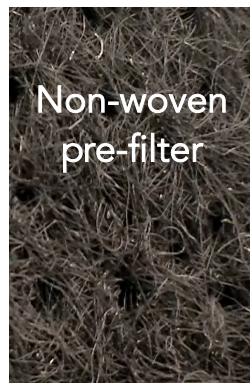
Product Specifications Guide

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

Using Siltron® in Sediment Perimeter Control

These guidelines are designed to ensure installment efficiency of Siltron®. If in doubt, consult with your distributor or manufactures representative.

Product Materials



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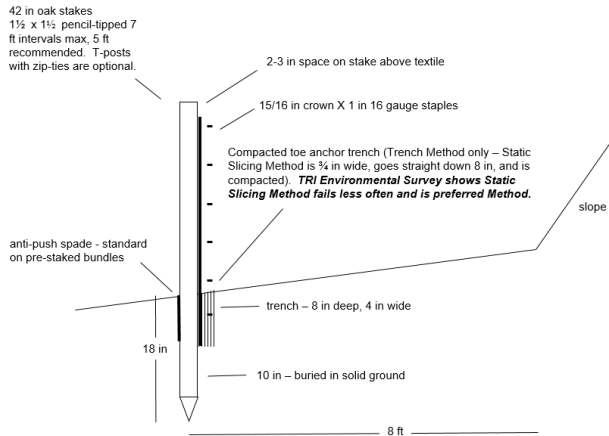
6605 HWY 32 East
Charleston, MS 38921

kengro.com
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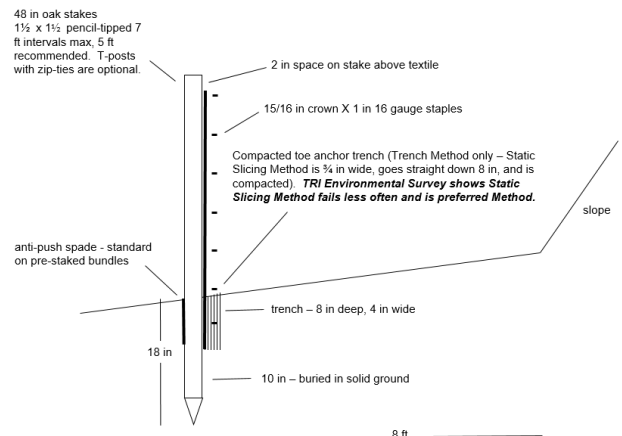
P) 662.688.6366
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Product Specifications Guide

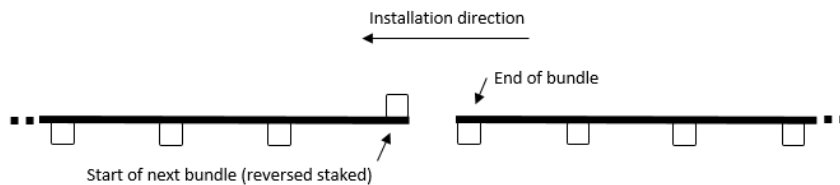
STANDARD CONSTRUCTION DETAIL Siltron 21 - Pollution Prevention Fence (21" High)



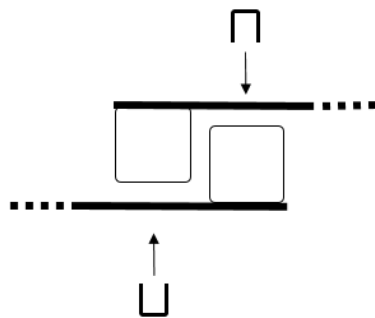
STANDARD CONSTRUCTION DETAIL Siltron 28 - Pollution Prevention Fence (28" High)



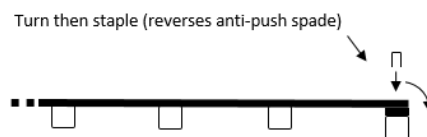
Pre-staked Bundles - Fence Joining Using Mated Ends



Stapled Fence Joining



Beginning Bundle - First Stake



Product Specifications Guide

Mississippi Silt Fence Textile Specification

Textile	Mississippi Silt Fence Textile Specification			Siltron Results (from TRI Reports - Jan 2018)	
	Type A	Type B	Type C		
Thickness (ASTM 5199)	na	na	na	7.95 mm ±10% (313 mils)	
Fabric Weight, oz/yd2	na	na	na	33.7 oz/yd2	
Construction Type	na	na	na	3-layer needle-punched composite	
Grab Tensile (ASTM D 4632)					
	MD	260 lbs	120 lbs	120 lbs	405 lbs
	TD	100 lbs	100 lbs	100 lbs	210 lbs
Elongation (ASTM D 4632)					
	MD	40% at failure (260 lbs)	40% at failure (120 lbs)	40% at failure (120 lbs)	21% at failure (405 lbs)
	TD	40% at failure (100 lbs)	40% at failure (100 lbs)	40% at failure (100 lbs)	8.7% at failure (210 lbs)
Puncture Strength (ASTM D 4833)		40 lbs	40 lbs	40 lbs	224 lbs
Trapezoidal Tear (ASTM D 4533)					
	MD	na	na	na	142 lbs
	TD	na	na	na	135 lbs
Mullen Burst Strength (ASTM D 3786, modified)		175 lbs	175 lbs	175 lbs	759 lbs
Apparent Opening Size (ASTM D 4751)*		.595 mm (woven)	.595 mm (woven)	.595 mm (woven)	.142 mm (non-woven)
Permittivity (ASTM D 4491)*		70 gpm/ft2*	25 gpm/ft2*	25 gpm/ft2*	46.2 gpm/ft2*
UV Stability (ASTM D 4355)		80%	80%	80%	100%
Filtering Efficiency and Flow rate (ASTM 5141)					
Clear Water Rate, gal/m/ft2		na	na	na	17.8 gpm/ft2
Silty Clay Rate		na	na	na	1.51 gpm/ft2
Filtering Efficiency		na	na	na	97.9%

* MDEQ specification pre-dates the use of non-wovens for perimeter control. Non-wovens have smaller openings, but many times more openings. Wovens show a higher clean water flow (G-87 and ASTM D 4491) than non-wovens because of larger openings but show lower flows when sediment is introduced (ASTM 5141). Siltron uses a bristly non-woven as the pre-filter layer - specifically designed for the application - it filters large and small sediment particles, has high hydraulic flow under sediment load, and **keeps seeping** (resists blinding). Siltron demonstrates the higher sediment removal rate (97.9%) combined with the highest seepage rate (1.51 gpm/ft2) ever seen in the ASTM 5141 test (TRI Reports, January 2018).



TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

Sediment Control Test Results via ASTM D 5141

Client: MKB Company TRI Log #: 664 Date: 1/11/2018 Temperature, C: 12 Technicians: JWS/GM

Sample ID	Composition	Specimen #	Soil Type	Test Configuration (Vertical or Horizontal)	Specimen Width, cm	Flow Volume (L)	Distance from SRD to the edge of water behind SRD at end of 25 min (mm)	Flow Rate (m ³ /m ² /min)	Flow Rate (GPM/ft ²)	Initial Mass of Soil (g)	Final Mass of Soil (g)	Filtering Efficiency (%)
Siltron	NW/Kenaf Filled Geotextile Silt Fence	1	Clear Water	Vertical	81	50	0	0.724	17.773	0	0.00	n/a
			Silty Clay	Vertical	81	50	0	0.104	2.542	150	5.35	96.4
			Silty Clay	Vertical	81	50	258	0.047	1.148	150	2.54	98.3
			Silty Clay	Vertical	81	50	514	0.034	0.841	150	1.61	98.9
Avg								0.062	1.510	150	3.17	97.9



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Product Specifications Guide

Product in Use

Pre-Staked Bundles Shipping Unit



Purchase Orders - E-mail to: rburke@kengro.com or call Kengro at (662) 647-2456.
Pickups - Call to schedule a pickup time and location.
Bundles - Come pre-staked at 5' intervals.



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