

# FLOATING SILT AND TURBIDITY BARRIERS

Prevent the spread of silt and sediment from construction sites into downstream or connecting waterways. It does so by keeping the material in a contained area until it can settle out of suspension and be removed.

Dec 2023		Floating Silt and Turbidity Barriers				
	Standard FSC Nonwoven (Typar)	Standard FSC-Woven (MTO Grade)	Standard	Type 1 DOT	Type 2 DOT <sup>1</sup>	Type 3 DOT <sup>2</sup>
Flow Rates	Standing Water	Standing or Slow Moving Water	Up to 0.5 ft/sec current velocity	Up to 1 ft/sec current velocity	Up to 3 ft/sec current velocity	Up to 5 ft/sec current velocity
Float Size	100 mm x 100 mm 4" x 4"	100 mm x 100 mm 4" x 4"	4" x 4"	6" x 6"	8" x 8"	8" x 8"
Buoyancy	102 N/m 7 lbs/ft	102 N/m 7 lbs/ft	6.11 lbs/ft	13.5 lbs/ft	26.7 lb/ft	29 lb/ft
Float Covers	RPE Orange	RPE Orange	6 oz/yd <sup>2</sup>	18 oz/yd <sup>2</sup> Yellow	18 oz/yd <sup>2</sup> Yellow	18 oz/yd <sup>2</sup> Yellow
Top Load Line	None	12 mm (1/2 inch) PP rope	½" PP Rope	None	5/16" Cable	5/16" Cable
<b>Body Fabric</b>	Spun Bonded nonwoven	LP 250	Woven Geotextile	18 oz/yd <sup>2</sup> Yellow	18 oz/yd <sup>2</sup> Yellow	18 oz/yd <sup>2</sup> Yellow
Grab Tensile	575 N 130 lbs	1112 N 250 lbs	315 x 315 lbs	325 x 310 lbs	325 x 310 lbs	325 x 310 lbs
Tear Strength	267 N 60 lbs	334 N 75 lbs	113 x 113 lbs	55 x 45 lbs	55 x 45 lbs	55 x 45 lbs
Hydrostatic	N/A	N/A	N/A	660 psi	660 psi	660 psi
AOS (Sieve Size)	0.212 mm 70 sieve	0.425 mm 40 sieve	40	Impermeable	Impermeable	70
Stress Plates	Not Included	Not Included	Not Included	Not Included	Yes	Yes
<b>Bottom Chain</b>	Not Included, Sold Separately	Not Included, Sold Separately	1/4"	1/4"	5/16"	5/16"
Chain Weight	-	-	67 lb/100 ft	67 lb/100 ft	95 lb/100 ft	95 lb/100 ft
Standard Sizes	7' x 50'	7' x 50'	3' x 50'	3' x 50'	5' x 50'	5' x 50'
	13' x 50'	10' x 50'	5' x 50'	5' x 50'	10' x 50'	10' x 50'
	19' x 50'	15' x 50'	10' x 50'	10' x 50'	15' x 50'	15' x 50'
Durability	Limited Use	Limited Use	One Use	Reusable	Reusable	Reusable
Seaming	Sewn	Sewn	Heat Sealed	Heat Sealed	Heat Sealed	Heat Sealed

Notes: Custom materials, float sizes and other options available. Custom depths available from 3' to 75' deep. Please contact your Layfield representative.

1) Float size increases to 8" x 8" or 12" x 12" based on depth. Upgradeable to 22 oz material.

2) Includes woven geotextile inserted into skirt, 20% of area minimum. Float size increases to 8" x 8" or 12" x 12" based on depth. Upgradeable to 22 oz material.

FSC: A weight must be added to the bottom sleeve prior to use. A rope is provided in the sleeve to assist in placing a chain, cable or other weight. Weight can also be added by making small slits in the bottom sleeve and inserting sections of rebar, pipe, steel or other heavy material. Custom sizes and materials are available by special order enough hardware is supplied with each unit to connect to the next unit.

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