



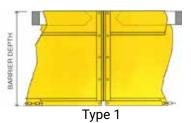
A turbidity barrier is a synthetic fabric curtain, suspended within a body of water, supported by floatation material in the top edge and held in a vertical position by a ballast in the bottom edge. It is also known as a floating turbidity barrier. Floating turbidity barriers are designed to restrict the flow of silt-laden runoff from a land disturbance, keeping it confined to a limited area. Confinement allows the silt and sediment to settle out and be collected before being carried into adjacent or adjoining watercourses.

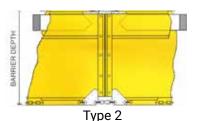
Turbidity Curtain Rapid Selection Criteria for DOT & Ecoplan Types

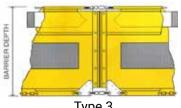
- 1. Type 1 Barriers are for waters with low currents (no more than one foot per second) and light winds: lakes, ponds, small streams, and marshes.
- 2. Type 2 curtains are for higher current waters (up to five feet per second): Deeper lakes, intercoastal, and tidal areas. These barriers have an encapsulated steel load cable along the top of the barrier and wear stress points are reinforced with shields.
- 3. Type 3 is similar to Type 2 barries, except that a polypropylene filter fabric is permanently inserted into the barrier skirt to meet some jurisdictions' specifications. Application conditions are the same as the Type 2 barrier.

Type 1 Ecoplan Curtain

Layfield has developed Type 1 Ecoplan curtains to complement its line of turbidity barriers. Layfield Type 1 Ecoplan curtains are light-duty turbidity barriers used in still or slow-moving water applications. Curtains are used to control suspended solids, generated by dredging and the disposal of dredged material, making them very effective in protecting the marine environment. Layfield's Type 1 Ecoplan is best suited for construction sites located in protected areas. These protected areas are exposed only to light winds and current velocities of less than one foot per second.







Type 3



Curtain Selection Parameters	FSC - Non Woven	FSC - Woven (MTO Grade)	Type 1 Ecoplan	Type 1 DOT	Type 2 Ecoplan	Type 2 DOT	Type 3 DOT
Flow Rates	Standing water	Standing or slow moving water	Standing or slow moving water	upto 1 ft/sec current velocity	upto 2 ft/sec current velocity*	upto 3 ft/sec current velocity*	upto 5 ft/sec current velocity*
Float Size	4" x 4"	4" x 4"	4" x 4"	6" x 6"	6" x 6"	8" x 8"	8" x 8"
Float Buoyancy	7 lbs/ft	7 lbs/ft	7 lbs/ft	13.5 lbs/ft	13.5 lbs/ft	26.7 lbs/ft	29 lbs/ft
Float Covers	RPE Orange	RPE Orange	10 oz/yd² Yellow	18 oz/yd² Yellow	14 oz/yd² Yellow	18 oz/yd² Yellow	22 oz/yd² Yellow
Top Load Line	None	1/2" PP rope	None	None	1/4" cable	5/16" cable	5/16" cable
Body Fabric	Spun Bonded Non-Woven	LP 250	10 oz/yd² Yellow	18 oz/yd² Yellow	Monofilament Geo- textile (specs below) sewn to 14 oz/yd²	18 oz/yd² Yellow	Monofilament Geo- textile (specs below) sewn to 22 oz/yd²
Grab Tensile	130 lbs	250 lbs	105 lbs	410 x 410 lbs	370 x 250 lbs	410 x 410 lbs	370 x 250 lbs
Tear	60 lbs	75 lbs	23 lbs	100 x 100 lbs	100 x 60 lbs	100 lbs x 100 lbs	100 x 60 lbs
Hydrostatic	Not Tested	450 psi	Not Tested	600 psi	450 psi	600 psi	450 psi
AOS (sieve size)	70	40	Impermeable	Impermeable	70	Impermeable	70
Stress Plates at cable and chain termination	Not Included	Not Included	Not Included	Not Included	Yes	Yes	Yes
Bottom Chain	Not included, sold seperately	Not included, sold seperately	1/4"	1/4"	1/4"	5/16"	5/16"
Weight	-	-	67 lbs/100 ft	67 lbs/100 ft	67 lbs/100 ft	95 lbs/100 ft	95 lbs/100 ft
Standard Sizes	7' x 50'	7' x 50'	5' x 50'	3' x 50'	5' x 50'	5' x 50'	5' x 50'
	13' x 50'	10' x 50'	10' x 50'	5' x 50'	10' x 50'	10' x 50'	10' x 50'
	19' x 50'	15' x 50'	-	10' x 50'	-	15' x 50'	15' x 50'
Durability	Limited Use	Limited Use	Reusable	Reusable	Reusable	Reusable	Reusable
Seaming	Sewn	Sewn	Heat Sealed	Heat Sealed	Heat Sealed	Heat Sealed	Heat Sealed

Custom depths available from 3' to 75' deep.

Floating Silt Curtain

Layfield also carries a light-duty floating silt curtain (FSC). Layfield's standard FSC units are available in nominal heights of 7ft, 13ft, and 19ft. The standard FSC body is constructed of Typar 3401 filter fabric, a strong, high filtration material exclusive to Layfield. The float and bottom sleeve of the FSC are wrapped with UV stable, high-strength RPE materials for durability. Layfield can custom fabricate curtains for specific project needs. Please call your Layfield representative for a curtain design to meet your requirements.



Anchor Kits are sold seperately.

Layfield requires a project assessment form to be filled out before recommending a curtain. These forms can be obtained directly from Layfield. For more information on any of Layfield's Turbidity Curtains, please contact your local Layfield Geosynthetics representative.

