

Main Menu

- Home
- Contact Us
- Login
- Mail Login
- Turbidity Barrier Descriptions
- Distributors
- Weed / Debris Boom
- Sports Products
- Truck Tarps
- Other Products

Home ▶ Turbidity Barrier Descriptions ▶ Turbidity Barrier Specifications

Turbidity Barrier Specifications

TOUGH GUY® floating and staked turbidity barrier specifications

BARRIER TYPE					
1.DOT	1.e	3.DOT	2.e	3.DOT	STAKED
	*		*		*
*		*		*	
		*		*	
*	*	*	*	*	*
*	*	*	*	*	
*	*				*
*	*	*	*	*	see detail
		*	*	*	
*	*				*
*	*	*	*	*	
*	*				
		*	*	*	
		*	*	*	
		*	*	*	

- MATERIAL DESCRIPTION**
- 16 oz. nominal laminated vinyl-polyester fabric
 - 18 oz. laminated vinyl-polyester fabric (note 4)
 - 22 oz. vinyl coated polyester fabric (see Selection Guide below)
 - polypropylene woven filter fabric (note 6)
 - heat sealed seams (note 1)
 - 5/8 inch polypropylene twisted rope edge reinforcement
 - 6" x 6" x 48" EPS foam blocks providing 11 lbs / ft buoyancy (note 5)
 - 8" x 8" x 48" EPS foam blocks providing 18 lbs / ft buoyancy (note 5)
 - standard depth = 5 feet (note 2)
 - standard length = 50 feet (note 3)
 - standard length = 100 feet (note 3)
 - #4 brass grommets approximately 12" o.c. in edges for laced connection
 - aluminum stress plates at top and bottom corners
 - 5/16 inch galvanized street proof coil ballast chain - 95 lbs / 100 ft
 - 5/16 inch 7 x 19 vinyl coated galvanized steel topload cable 9800 lb breaking strength - 1960 lb allowable working load
 - galvanized steel safety snap top connection

Notes

- The filter fabric in Type 3.DOT barriers cannot be heat sealed. It must be sewn.
- Any special depth of barrier will be supplied to order. Call your Distributor for pricing.
- Any special length of barrier will be supplied to order. Call your Distributor for pricing.
- Heaview weight fabrics will be supplied to order. Call your Distributor for pricing.
- Buoyancy is increased on special depths. See the Selection Guide below.
- The entire skirt of both Types 1.DOT and 2.DOT barriers can be fabricated using filter fabric in lieu of vinyl.

FABRIC SPECIFICATIONS

CHARACTERISTIC TEST METHOD	16 OZ NOMINAL LAMINATED	18 OZ LAMINATED	22 OZ COATED	GEOTEXTILE FILTER
CONSTRUCTION	VINYL LAMINATE ON 1000 DENIER 9 X 9 SCRIM	VINYL LAMINATE ON 1300 DENIER 9 X 9 SCRIM	VINYL COATED ON WOVEN 6 OZ POLYESTER BASE	WOVEN POLYPROPYLENE

WEIGHT ASTM D-2374	NOMINAL 16 OZ / SQ YD 376 GR / SQ M	18 OZ / SQ YD 423 GR / SQ M	22 OZ / SQ YD 517 GR / SQ M	7.5 OZ / SQ YD 176 GR / SQ M
ADHESION ASTM D-751-95 SEC 43.1.2	15 LB / IN 14 daN / 5 cm	15 LB / IN 14 daN / 5 cm	14 LB / IN 13 daN / 5 cm	NOT APPLICABLE
GRAB TENSILE ASTM D-5034	250 x 225 LB / IN 238 x 214 daN / 5 cm	397 x 373 LB / IN 378 x 363 daN / 5 cm	500 x 400 LB / IN 476 x 389 daN / 5 cm	350 x 250 LB / IN 333 x 230 daN / 5 cm
TOUNG TEAR ASTM D-2261	70 x 55 LB / IN 67 x 52 daN / 5 cm	96 x 86 LB / IN 91 x 82 daN / 5 cm	132 x 143 LB / IN 126 x 136 daN / 5 cm	95 x 55 LB / IN 90 x 52 daN / 5 cm
HYDROSTATIC ASTM D-751-95 SEC 34.2	400psi 2778 kPa	385psi 2674 kPa	881psi 6118 kPa	NOT APPLICABLE

BARRIER SELECTION GUIDE							
Current (ft. per sec.)	CURTAIN DEPTH IN FEET						
	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30+
0	A	B	B	C	D	E	F
1	B	B	C	D	E	F	F
2	C	C	D	E	E	F	G
3	D	D	E	F	F	G	G
4	D	E	F	F	G	G	G
5	D	E	F	G	G	G	G

- Type 1.e, 16 oz. nominal laminated fabric, 6 inch flotation, standard anchorage
- Type 1.DOT, 18 oz. laminated fabric, 6 inch flotation, standard anchorage
- Type 2.e, 16 oz. nom. laminated fabric, 8 inch flotation, special anchorage, engineering suggested
- Type 2.DOT, 18 oz. laminated fabric, 8 inch flotation, special anchorage, engineering recommended
- Type 2.DOT, 22 oz. coated fabric, 8 inch flotation, special anchorage, engineering required
- Type 2.DOT, 22 oz. coated fabric, 10 inch flotation, special anchorage, engineering required
- Type 2.DOT, 22 oz. coated fabric, 12 inch flotation, special anchorage, engineering required

Note: All blue shaded areas on the chart exceed working cable loads unless specially designed

Copyright © 2004 Aer-Flo, Inc.
All Rights Reserved. Contact [webmaster](#) to report errors.