

Indian Valley Industries, Inc.

Technical Data Sheet

IVI 6% Turbidity Curtain New Hampshire DOT Specification

IVI 6% New Hampshire DOT Turbidity Curtain is recommended for construction sites located in protected areas (ponds, shallow lakes, small streams, and marshes) that are exposed only to light winds and to current velocities of less than 1.5 feet per second. Minimum anchorage may be required to maintain perimeter configuration.

Standard Features

- Curtain Fabric: Carthage 6%
- Section Length: 50 LF or 100 LF
- 1500# break strength webbing
- #4 spur grommets every 12" on center on edge of curtain for connection
- Extra grommets in flotation chamber on edge for connection

Other Specifications

Curtain Depth 3' to 10'

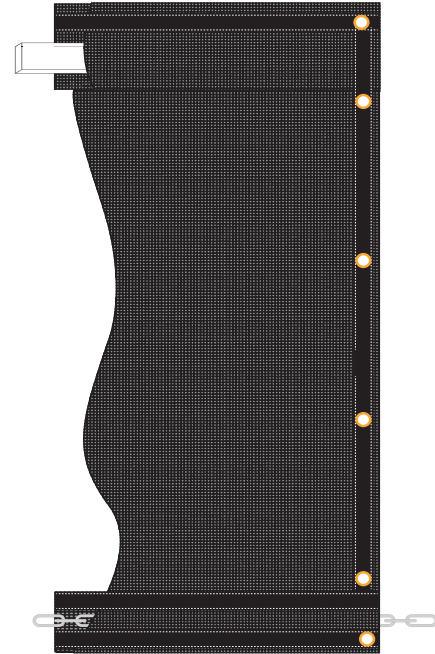
6" x 6" EPS foam blocks providing 15 lbs per LF buoyancy, 5/16" ballast chain

Curtain Depth 11' to 14'

8" x 8" EPS foam blocks providing 26.7 lbs per LF buoyancy, 5/16" ballast chain, 1500# webbing along bottom edge, Grommets every 5' for extra ballast weight

Curtain Depth 15' and above

12" x 12" EPS foam blocks providing 60.0 lbs per LF buoyancy 5/16" ballast chain, 5000# webbing along bottom edge, Grommets every 5' for extra ballast weight



NOTES: Depth measured from top of flotation device to bottom of curtain. Specified fabrics will be supplied per order: Permeable and non permeable. Buoyancy increased when specified. Ballast chain increased when specified.

The IVI 6% New Hampshire DOT Turbidity Curtain fabric meets or exceeds the following specifications:

Physical Property	Test Method	Data	
Grab Tensile Strength	ASTM D-4632	370 x 250 lbs (1.65 x 1.11 kN)	
Grab Tensile Elongation	ASTM D-4632	15%	
Wide Width Tensile Strength	ASTM D-4595	225 x 145 lbs/in 2700 x 1740 lbs/ft	(39.41 x 25.40 kN/m)
Mullen Burst Strength	ASTM D-3786	450 psi (3100 kPa)	
Trapezoid Tear Strength	ASTM D-4533	100 x 60 lbs (0.45 x 0.27 kN)	
Puncture Strength	ASTM D-4833	120 lbs (0.53 kN)	
CBR Puncture	ASTM D-6241	950 lbs (4.23 kN)	
UV Resistance (@ 500 hrs)	ASTM D-4355	90% strength retained	
Permittivity	ASTM D-4491	.28 sec ⁻¹	
Flow Rate	ASTM D-4491	18 gal/min per sq ft (733 l/min per sq m)	
Percent Open Area	CW-22125	4-6%	
Apparent Opening Size	ASTM D-4751	70 US Sieve (0.212 mm)	

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.
- The properties reported above are effective 08/01/10 and are subject to change without notice.

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