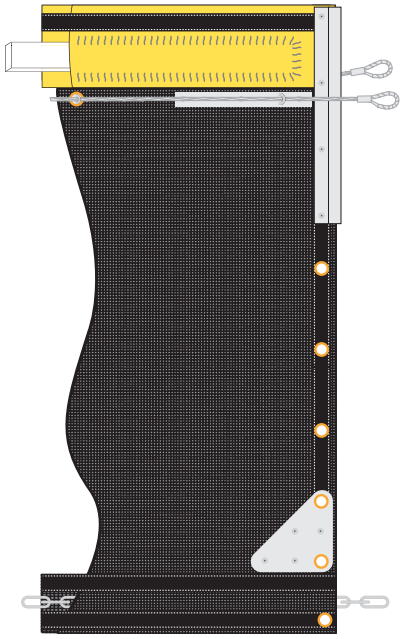
Indian Valley Industries

TECHNICAL DATA SHEET

IVI Type III Turbidity Curtain

with Dual Load Cables

IVI Type III Turbidity Curtain is recommended for construction sites located in higher currents waters (deeper lakes, streams, intercoastals, wind and tidal areas) that are exposed to current velocities of 3 feet per second or approximately 2 knots. When current velocities exceed 3 feet per second, anchoring and additional design input is recommended.



Standard Features

Section Length: 50 LF

Heat sealed seams

Permeable Curtain Fabric: Carthage 6%

Flotation Fabric: Non-permeable, 22 oz. yellow PVC coated polyester

Flotation: 12"x12" EPS foam blocks providing 60 lbs per LF buoyancy

Dual 5/16" 7x19 vinyl coated galvanized steel load cables 9800# break strength per cable

#4 spur grommets every 12" on center on edge of curtain for connection

Galvanized steel safety snap top connection

Aluminum stress plates at top and bottom corners

Reinforced anchor point on top load cable every 25'

5/16" ballast chain

5000# break strength webbing

Extra grommet in flotation chamber

Universal Aluminum Connector

Grommets every 5' along bottom edge for extra ballast weight

The IVI Type III Turbidity Curtain fabric meets or exceeds the following specifications:

Physical Property	Test Method	Typical Value	
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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