

Indian Valley Industries, Inc.

Technical Data Sheet

IVI Turbidity Barrier Specifications

IVI Turbidity Curtain is manufactured as a durable, high-performance solution for preventing silt and sediment migration into water courses. A range of fabrication options are available to meet or exceed your job requirements.

Basic Barrier Types

Quiet Water These curtains are 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.

IVI-66 Permeable curtain. Woven and non-woven curtain fabrics

Type I Permeable and non-permeable curtain and flotation fabric. 18 oz and 22 oz yellow PVC coated polyester fabrics

Type IB Non-permeable flotation fabric with permeable curtain

Higher Current Water These curtains are recommended for construction sites located in higher current 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.

Type II Non-permeable curtain and flotation fabric. 18 oz and 22 oz yellow PVC coated polyester fabrics. Aluminum stress plates at top and bottom corners, galvanized steel safety snap connection. 5/16" 7x19 vinyl coated galvanized steel top load cable.

Type III Permeable curtain. Non-permeable 22 oz. yellow PVC coated polyester flotation fabric. 12"x12" EPS foam blocks flotation. Dual 5/16" 7x19 vinyl coated galvanized steel load cables. Galvanized steel safety snap connection. Universal Aluminum Connector. Aluminum stress plates at top and bottom corners.

Options

Flotation - EPS Foam Blocks

6" x 6" providing 15 lbs/lf buoyancy

8" x 8" providing 26.7 lbs/lf buoyancy

12" x 12" providing 60 lbs/lf buoyancy

Ballast Chains: 1/4" or 5/16"

Connectors: Connection clips, Galvanized Steel Safety Snaps, Slotted Pipe Connector, Universal Aluminum Connector

Other: Extra grommet in flotation chamber on edge for connection
1500# or 5000# break strength webbing
Grommets every 5' along bottom edge for extra ballast weight
Aluminum stress plates at top & bottom corners
5/16" 7x19 vinyl coated galvanized steel top load cable 9800# break strength
Reinforced anchor point at top load cable every 25'
Furling Line & Shore Cable