



The [Type 3 Heavy Duty Silt Barrier](#) is the strongest barrier offered and is designed for moving water applications no more than 1.5 knots, 2 foot waves, and 30 mph winds. Rugged, strong, and reliable, these turbidity curtains meet most state DOT regulations and can be rapidly deployed to your location.

**Perfect for use in:**

- Tidal Zones
- Bays
- Rivers
- Dredging Projects
- Demolitions
- Rivers
- Harbors
- Inter-coastal Waterways

### Typical Barrier Specifications (other sizes, materials, etc. available )

Flotation	Fabric	Section Connectors	Bottom Chain	Standard Length	Freeboard	Draft	Options
12" Marine Grade Material (depending on skirt depth)	22 oz. PVC Fabric	Universal Slide Bulk Connectors	3/8" Steel Ballast Chain	50' or 100'	8"-12" Depending on Skirt Depth	3' - 100'	Optional Skirt Filter Panel & Furling Lines Available





**Description:**

Granite Type 3 Heavy Duty Silt Barrier is manufactured in two designs:

1. Silt Barrier with permeable silt filter panels.
2. Silt Barrier with impermeable silt blocking skirts. This model comes with marine grade floats seamed into heavy duty coated reinforced PVC membrane, 2 each steel load bearing cable, and a heavy ballast chain to assist in keeping skirt vertical and lower tension member.

**Floatation Element:**

12" diameter Grade A octagonal marine quality floats placed end to end and dielectrically sealed into coated membrane sleeve along the top of the barrier. These have joints between floats to allow folding for shipment, storage and more importantly for conformance to wave action.

**Membrane:**

22 ounce per square yard vinyl coated nylon or polyester or a combination with geotextile filter panel depending on application.

**Base:**

22 oz PVC fabric International Safety Yellow 500 x 550 Lbs/square inch tensile strength (*specification sheet available on request*)

**Filter Panel:**

W-70 @ 6% with vertical flow of 70gpm (*Spec sheet available*)

**Tension Cable:**

2 each 5/16 inch vinyl coated galvanized steel cable, one on each side of the skirt 20 inches below the flotation. These cables are secured to each end connector of the curtain section and clipped together with lap links and grommets every 30 inches for superior performance in current.





**Lower Tension** Ballast is provided by a 3/8 inch galvanized steel chain sheathed in 22 oz membrane along the bottom edge of the skirt. This acts as a lower tension member by terminating stainless steel stress plates on each skirt corner and bolted with no fewer than 4 stainless steel bolts allowing minimum load transfer of 5000 lbs of tensile from membrane.

**Section Connector:** Sections connect by sliding together the two halves of Universal slide bulk connectors that extend from the top of the flotation down a minimum of 20". The skirts are joined by ties between reinforced steel grommets on the two opposing silt barriers. The ballast connect via galvanized steel snap hook and galvanized ring make the joint complete from top to bottom. This is a tool free connection.

**Furling System:** Built to raise and lower the curtain skirt (Optional)

**Accessories:**

- Oil Spill Equipment
- Marker Buoys
- Anchor System
- Repair Kits
- Debris Boom
- Geotextile Sludge Tubes
- Navigational Warning Lights





The image below shows the typical design of the [Type 3 Heavy Duty Barrier](#). If you require different materials or components, please don't hesitate to ask. These turbidity curtains can be designed to meet your area requirements and provide turbidity control for your specific project. These barriers have been **successfully used as BMP's** to help keep sites in **NPDES compliance**.

