Over 40 years of excellence engineering and fabricating quality composite flow control solutions.
**Plasti-Fab TiteSeal® Gates**

**Wedging TiteSeal®**
- Best Available Technology for Leakage Control
- Ideal for Emergency Shut-Off
- Engineered for Open Channel Applications
- 4 to 5 Times Lower Leakage than AWWA C-563
- Adjustable Seals Mounted on Gate Allows for Adjustment Without De-Watering
- Guide Includes an Integral Wedge Design
- Patented Design Provides for Maximum Fluid Control
- Engineered and built to order

**Heavy Duty TiteSeal®**
- Designed, Engineered, and Built to Exceed AWWA C-563
- Designed for Heads Up to 100 Feet
- High Corrosion Resistance, Low Maintenance
- Cast-in Wall Thimbles are Not Required
- Seals Mounted on Gate Allow for Inspection and Replacement Without De-Watering
- Guide Includes a Top Closure Bar that Allows the Gate to Seal Around All Four Sides
- The Wedging Bar and Adjustable Wedging Bolts Allow the Leakage Rate to be Adjusted to the Lowest Possible Levels

**Plasti-Fab Gate Construction**

**Heavy Duty Gates**
- Seamless Composite FRP Corrosion Barrier
- Copolymer Reinforcement
- Steel Tube Reinforcement
- Foam or Recycled FRP Material Core Encapsulated in Composite FRP
- Generally for Head Pressures Up to 100 Feet

**Light Duty Gates**
- Generally for Head Pressures Up to 10 Feet

**HDTGS Gates**
- Plasti-Fab Gate Seals Are Easily Adjusted and Replaced
- Plasti-Fab Steel Core Gates are completely encapsulated with a corrosion-resistant composite barrier.
For over forty years Plasti-Fab has been supplying composite fiberglass reinforced plastic (FRP) fluid control gates for highly corrosive water environments. All Plasti-Fab Gates totally encapsulate the internal reinforcing structure. All composite gates offer high corrosion resistance, low maintenance, and no need for wall thimbles due to their reduced weight characteristics. In addition, they are non-conductive, non-magnetic, and non-binding. Composite FRP material is pound-for-pound much stronger than steel. Plasti-Fab composite equipment is warranted for 25 years against failure due to corrosion.

### Flap Gates

The Plasti-Fab composite Flap Gates provide low leakage, low maintenance, and low head loss. They are designed and engineered for maximum effectiveness in corrosive environments. Available in rounded, square, or rectangular styles. Molded reinforced composite flap gates are lightweight.

**Standard rounded sizes from 4” to 24” available for purchase at www.flapgates.com**

### Stop Gates

Various handle configurations available.

Non-binding

High-strength sandwich construction.

Most gates utilize a sandwich construction with a closed-cell polyisocyanurate foam core for high strength and corrosion resistance.

### Slide Gates

Lifting options include manually operated hand wheels with various geared ratio options and electronic motor operators for remote fluid control.

Internal stainless steel mounting plate welded to core and completely encapsulated.

Flush bottom seals

**Internally reinforced to withstand maximum operating head.**

### Weir Gates

The Plasti-Fab composite FRP Weir Gates are ideal for controlling upstream channel depth and regulating discharge rates. They are designed and engineered for maximum corrosion resistance in hostile environments. Plasti-Fab Weir Gates allow for consolidation of traditional Weir Plate and Slide Gate combinations at the basin entrance.

**Downward opening Weir Gate**

### The Plasti-Fab Legacy

Plasti-Fab is a world class manufacturer of composites with over 40 years of experience designing, engineering, and building products for fluid control and management. Plasti-Fab products are fabricated from highly corrosion resistant composite fiberglass reinforced plastic (FRP). Recognized around the world as an experienced innovator and provider of quality composite solutions, Plasti-Fab has a wealth of experience and expertise in flow control products.

Visit us online at: [www.plasti-fab.com](http://www.plasti-fab.com)
Plasti-Fab Stop Logs are fabricated using “green” vacuum infusion technology that allows the outer surface to be made in one piece. This means that there are no seams, cracks, or ridges from glued parts that can allow seepage to penetrate the interior support structure causing the log to fail.

Heavy Duty Stop Logs
• Maximum leakage of less than 0.03 GPM per wetted seal foot when installed in Plasti-Fab Guide Frames.
• Engineered for new or existing guide structures.
• Dual Neoprene seals on logs.
• Two-point seals on Guide Frames.
• Stop Log sets available with varying log heights.
• Theft concerns eliminated with no recycle market value.
• Available with auto latching lift beams and storage racks.

25 Year Guarantee Against Failure From Corrosion.
Unlike water control products made of wood or metal, composite FRP Stop Logs will not decay, putrefy, crumble, rust, flake, or corrode. FRP logs virtually last forever providing peace of mind to operators, engineers, and owners who are responsible for selecting the right equipment.

<table>
<thead>
<tr>
<th>Type of Gate</th>
<th>Common Size Range</th>
<th>Normal Head</th>
<th>Max. Expected Leakage Rate Gallons per min.*</th>
<th>Guide Frame Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Seating</td>
<td>Unseating</td>
<td>Seating Head</td>
</tr>
<tr>
<td>Heavy Duty TiteSeal</td>
<td>12” x 12” to 12’ x 12’</td>
<td>30’ to 60’</td>
<td>20’ to 40’ varies with size</td>
<td>Yes</td>
</tr>
<tr>
<td>Slide Gates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wedging TiteSeal</td>
<td>12” x 12” to 6’ x 6’</td>
<td>To Top of Gate</td>
<td>To Top of Gate</td>
<td>No</td>
</tr>
<tr>
<td>Slide Gates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FRP Slide Gates</td>
<td>12” x 12” to 6’ x 6’</td>
<td>To Top of Gate</td>
<td>To Top of Gate</td>
<td>Yes</td>
</tr>
<tr>
<td>FRP Stop Gates</td>
<td>12” x 12” to 6’ x 6’</td>
<td>To Top of Gate</td>
<td>To Top of Gate</td>
<td>NA</td>
</tr>
<tr>
<td>Rigid Round Flap Gates</td>
<td>4” to 8’</td>
<td>20’ - 30’</td>
<td>NA</td>
<td>0.1</td>
</tr>
<tr>
<td>Rectangular Flap Gates</td>
<td>12” to 8’</td>
<td>20’ - 30’</td>
<td>NA</td>
<td>0.1</td>
</tr>
<tr>
<td>Flexible Flap Gates</td>
<td>12” to 8’</td>
<td>20’ - 30’</td>
<td>NA</td>
<td>0.1</td>
</tr>
<tr>
<td>FRP Stop Logs</td>
<td>12” to 20’</td>
<td>Top of Gate</td>
<td>Top of Gate NA</td>
<td>.03</td>
</tr>
</tbody>
</table>

*Per wetted foot of seal length
** 3-4 above Gate height with closure bar.

Contact Your Local Plasti-Fab Representative:
http://www.plasti-fab.com/fiberglass-manufacturing-representatives/

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