

WEDGING TITSEAL[®] SLIDE GATE **Patent #4.524.950**

The Wedging TiteSeal[®] Slide Gate was developed and patented by John Vitas at Plasti-Fab. It is the tightest sealing slide gate available on the market today. The Wedging TiteSeal[®] design is capable of reaching extremely low leakage rates. In our literature we say less than 100 cc/mm/foot of wetted perimeter. This is 4 to 5 times lower leakage than permitted by AWWA C-501, and applies to both seating and unseating heads. In actual practice, the Wedging TiteSeal[®] Gates have been adjusted to the point of being nearly drip-tight.

NOTE: There is no top seal on a Wedging TiteSeal[®] Gate so water can flow over the top. The Wedging TiteSeal[®] Gate **MUST** be taller than the maximum water level in order to be effective.

When requested, Plasti-Fab will run factory leakage tests on any TiteSeal[®] gate, and provide a written report of the results to the engineer or client. Testing must be set up ahead of time, preferably in the specification.

The Wedging TiteSeal[®] Gate is used in many of the same areas and applications as a conventional slide gate. It is frequently used by industries for spill control, emergency shutoff and in aggressive flow streams. Here, the client is willing to pay a premium for the added security and reliability.

An important feature of the Wedging TiteSeal[®] Gate is the location of the J-seals on the face of the gate where they may be adjusted or removed if necessary without dewatering the channel.

The Wedging TiteSeal[®] Gate can be fabricated using 1" thick solid FRP, Sandwich construction, Heavy Duty Copolymer, Stainless Steel, or Aluminum.

LIFTS The Wedging TiteSeal[®] design relies on an operator to achieve a complete mechanical seal. The lift can be operated manually, electrically, pneumatically or hydraulically. The lifts are mounted on the head rail of self-contained gates. A pedestal, bench stand or floor box can be used on gates that are below the operating surface. Pneumatic or hydraulic operators may be used where power isn't readily available, or the gate needs to be closed quickly, or safety restrictions limit the use of electricity.

GUIDES The Wedging TiteSeal[®] Gate use Plasti-Fab standard FRP pultruded guides that can be embedded, surface mounted or in-channel mounted. The wedging assembly is an integral part of the guide. Surface mounted guides bolt to the face of the wall around an opening. In-channel guides bolt to the inside face of an existing channel. Embedded guides can be nailed to the concrete forms and encased with the wall pour, or they may be grouted into a blockout at a later time.

SEALS A neoprene flush bottom seal fills the bottom groove of the guide, and neoprene J-seals are mounted down each side and across the bottom of the gate. The J-seals are aligned with the fiberglass wedging bar and factory adjusted so that the gate sealing capability increases as the gate is driven down to the closed position. This often results in nearly water-tight performance. This patented seal design is unique in the market today.

LOCATIONS Wedging Titeseal® Gates should be considered in any area where high performance gates are required. This gate is used often for industrial spill containment or emergency shut-off at airports, military and other Federal sites where performance is critical.

WHY BUY PLASTI-FAB?

1. The patented seal design is unequaled in leakage performance. Published leakage rates of 100 cc/minute/foot of wetted gate perimeter.
2. The unique seal design allows for seal adjustment or removal without dewatering a channel.
3. For unusual or especially tough applications Plasti-Fab has experience with a large variety corrosion resistant high performance metals and resins.
4. The Wedging Titeseal® Gate will perform when needed for emergency shut-off, spill containment or any other critical shut off situation.
5. Plasti-Fab's experience with customer requirements will help you get the job done right the first time.
6. Fiberglass gates are lightweight and easy to install.
7. After the gate is raised slightly, the seal is no longer in contact with its seat. This eliminates seal wear and makes the gate easy to operate.

REPRESENTED BY:



Phone: 1-800-333-2252

Fax: 228-452-2563

info@cclynch.com

www.cclynch.com