

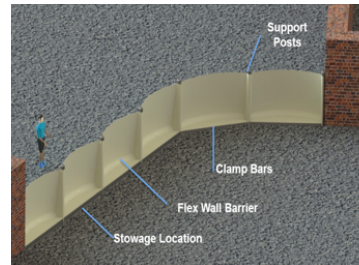


FLOOD MITIGATION  
SOLUTIONS

# Flex-Gate® Bottom Deploy



The Flex-Gate® Bottom Deploy is a high-strength fabric wall that can be deployed rapidly for flood protection around/between buildings, across doors of any size or in front of glass walls. It can be scaled to withstand any water height, and can be shaped to fit around any structure, including corners of any angle. It is stored in a covered trench at the point of use so that all materials and components are available when needed. The patented Flex-Gate Bottom Deploy is simple to operate and can be easily deployed or stowed by a single person within minutes, even in high winds. The Flex-Gate Bottom Deploy can surround entire spaces (buildings), or span openings and seal against existing walls (doors, driveways, etc.).



## FEATURES AND BENEFITS

- **Point-of-use storage** — Deploys at the last moment for minimal operational disruption, resumes operations faster, no lost components
- **Rapid deployment** — Site secured in minutes by one or two people with powered operation; chainfall backup if power outage occurs
- **Compact stowage** — Stores in small spaces
- **Scalable design** — Sized to fit any vertical opening
- **Robust materials and construction** — Withstands debris impacts with optional debris netting
- **Prevents flooding** — Seepage is <math><0.5 \text{ gal/min/ft}</math> of perimeter

# Flex-Gate Bottom Deploy



## OPERATION

The Flex-Gate Bottom Deploy is deployed by removing the trench container cover, installing the support posts into their receivers, and then lifting and attaching the fabric wall onto the posts. Tall walls are easily deployed by a two-person team.

## SYSTEM COMPONENTS

**Fabric Wall** — Two-layer flexible and damage-tolerant structure

- Structural layer made of Kevlar® and polyester webbings
- Water-retention layer made of PVC-coated polyester

**Container** — Trench and cover

**Receivers** — Metal post holders anchored to the trench

**Support Posts** — Metal beams that react load to the ground

**Seal Bar** — Structure that attaches and seals the wall deadman to the trench

## CONFIGURATION OPTIONS

### Short Walls

- Straight support posts
- Fabric wall
- Tamper-proof covers on trench box
- Manually deployed

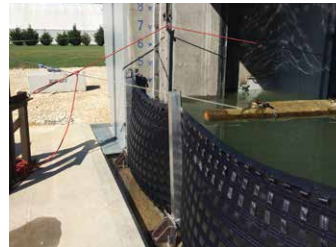
Standard configurations can be modified to meet any water height or perimeter outline.

### Tall Walls

- Braced support posts
- Fabric wall
- Tamper-proof covers on trench box
- Manually deployed

Braced support posts react load to the ground for taller walls.

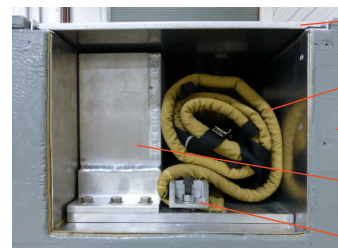
## OUR SOLUTIONS ARE CUSTOM-DESIGNED TO MEET YOUR REQUIREMENTS



5 FPS, 1,000-LB. Log impact test



Structural wall can be packed into a small area



COVER AT GRADE

FABRIC WALL

TRENCH

RECEIVER

CLAMP AND SEAL



ILC Dover LP  
100 Discovery Blvd, Suite 1001  
Newark, DE 19713 USA  
+1.302.335.3911  
+1.800.631.9567  
customer\_service@ilcdover.com

[www.ilcdover.com](http://www.ilcdover.com)



\*Flex-Gate® is a trademark of ILC Dover.  
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