

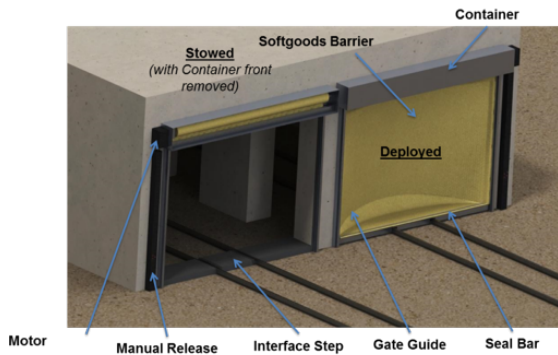


FLOOD MITIGATION
SOLUTIONS

Flex-Gate® Portal



The Flex-Gate® Portal is a high-strength flood barrier that can be deployed rapidly for flood protection of tunnels, vehicular entrances, doors or portals of any kind. It can fit openings of any shape, size or orientation. The Flex-Gate is simple to operate and can be easily deployed or retracted like a garage door, in a few minutes (powered or manually), by a single person with very little training. The patented system is scalable to very large openings and water heights in excess of 30 ft. The Flex-Gate has few moving parts, resulting in increased reliability, with minimal maintenance, thus providing low life-cycle costs for any transit, commercial real estate or industrial application.



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 Portal



OPERATION

The Flex-Gate Top Portal functions similarly to a roll-up storefront or garage security door in that it resides in a small container and is deployed in tracks along the opening, prior to an event occurring. Deployment is performed via a motor or manually with a chainfall if power is unavailable. The flexible cover travels in guides during deployment, and seals against them when challenged with water.

SYSTEM COMPONENTS

Flexible Cover — Three-layer flexible and damage-tolerant structure

- Structural layer made of Kevlar® webbing
- Water-retention layer made of coated fabric
- Optional debris barrier webbing net made of Kevlar

Container — Metal storage container and spool system

Gate Guides — Side beams that seal and provide structural support

Seal Bar — Steel structure that seals the closing end of the cover opposite the storage container

CONFIGURATION

- Standard doors to double-lane vehicular tunnels
- Can interface with subway rails or crowned roadways
- Reusable and easy to clean

INSTALLATION

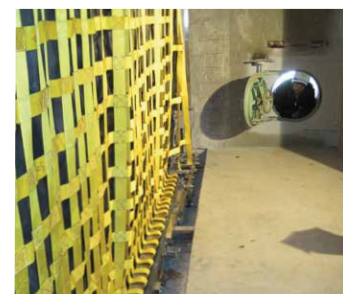
Surface-Mounted — Simple to install, limited site downtime, frame supports inward loads

Anchored — Simple to install, limited site downtime, structure shares inward loads

Architecture — Can blend with existing site features



GATE GUIDE AND DEADMAN



DEBRIS NETTING

Flood barrier technology protects your critical assets while providing the flexibility to keep the system open until the last possible moment before an event occurs — with the fastest recovery time.



*Flex-Gate® is a trademark of ILC Dover.
PATENT US 9,303,423



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