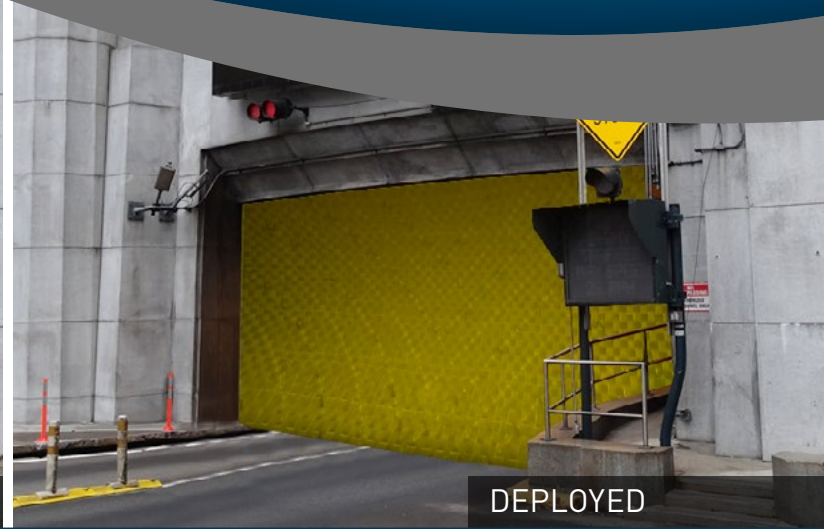
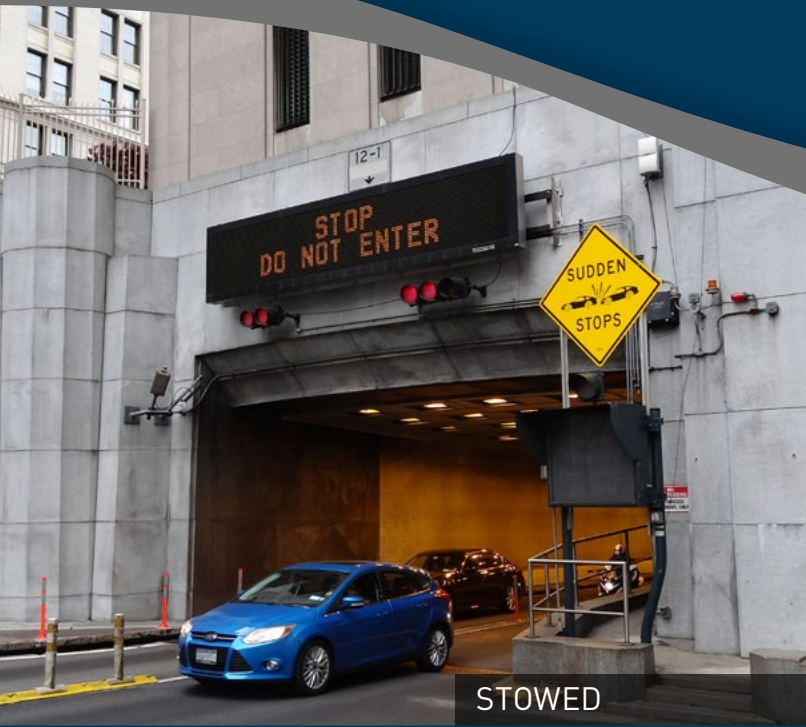


# Flood Protection Solutions



## Portal Flex-Gate™

### What is Flex-Gate™?

The Portal Flex-Gate™ is a high strength flood barrier that can be deployed rapidly for flood protection of tunnels, doors, or portals. It can fit a wide range of portal openings.

### How it Works

The Portal Flex-Gate™ functions similarly to a roll-up storefront or garage security door. 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 if power is unavailable. The flexible cover travels in guides during deployment, and seals against them when challenged with water.

### Features & Benefits

- **Point-Of-Use Storage**
  - Immediate response & fastest recovery
  - No lost components
- **Rapid Deployment**
  - Rapid deployment in minutes by one person
- **Compact Stowage**
  - Can store in small spaces
  - Simplifies installation
- **Scalable Design**
  - Can be sized to fit a wide range of portals

*The Flex-Gate™ has been validated via test portal against a 14.3 ft water head pressure challenge.*

*Patent Pending*



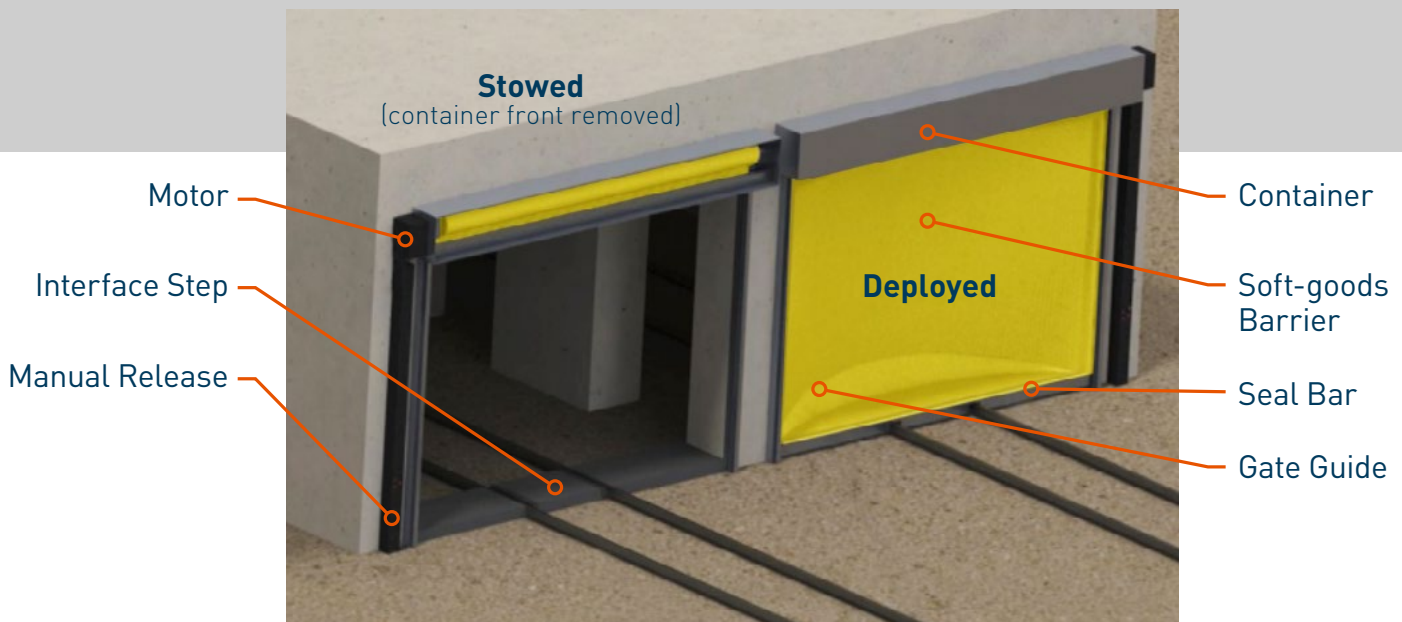
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## OUR SOLUTIONS ARE BUILT TO ORDER FOR YOUR APPLICATION

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### System Components

#### Fabric Cover

- 3 layer flexible and damage tolerant structure
  - Outer layers are Kevlar® webbings and fabrics
  - Water retention layer is CSM/Hypalon® coated Kevlar®
  - Optional Debris Barrier Webbing net

#### Container

- Stainless steel box & spooling mechanism

#### Gate Guides

- Side beams that seal and provide structural support

#### Seal Bar

- Steel structure that seals the closing end of the cover at the base of the entrance

### Configuration

- Rail car or vehicular tunnels
- Can interface with subway rails
- Reusable (easy to clean)

### Installation

- Typically a surface mounted device – simple to install
- Tension loads are safely reacted by robust Flex-Gate™ frame assembly

**Patent Pending**