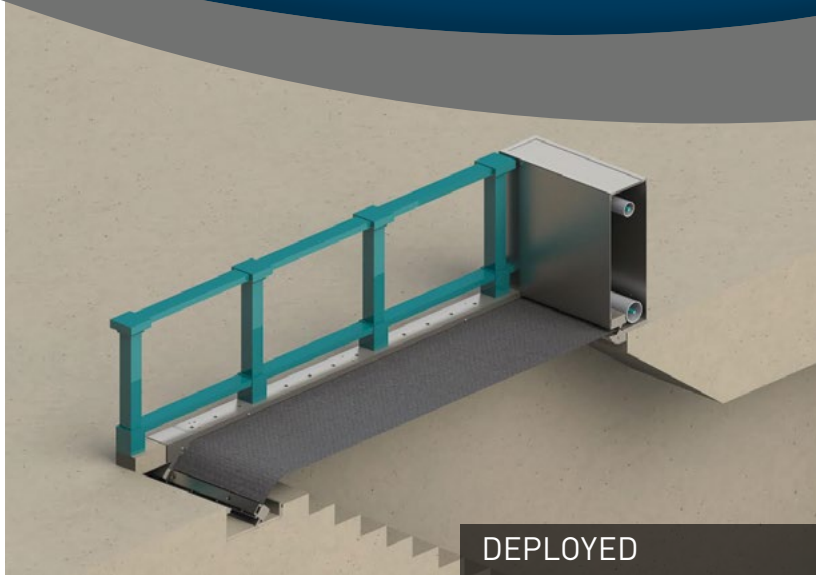


Flood Protection Solutions



STOWED



DEPLOYED

Stairwell Flex-Gate™

What is Flex-Gate™?

The Flex-Gate™ is a high strength dry flood protection closure that can be deployed rapidly for flood mitigation of stairwells. It was originally developed by ILC Dover for use in the New York City subway system, but can be used in a wide range of applications.

How it Works

The Flex-Gate™ functions similarly to a roll-up storefront security door in that it resides in a small container and is pulled across the opening when an event occurs. The flexible cover travels in guides during deployment, and seals against them when challenged with water.

Features & Benefits

- **Point-of-use storage**
 - Can store in small places
 - Components won't be lost over time
- **Rapid Deployment**
 - Can be deployed in under 5 minutes
- **Scalable Design**
 - Can be sized to fit a wide range of stairwells
- **Simple Design**
 - Few moving parts

The Flex-Gate™ has been tested against a 16 ft water head pressure challenge.

Patent Pending



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OUR SOLUTIONS ARE BUILT TO ORDER FOR YOUR APPLICATION

System Components

Fabric Cover

- 2 layer flexible and damage tolerant structure
 - Structural layer is woven Kevlar® webbings and fabrics
 - Water retention layer is CSM/Hypalon® coated Kevlar®

Container

- 316L stainless steel storage box

Gate Guides

- 316L side beams that seal and provide structural support

Seal Bar

- Structure that seals the closing end of the cover at the top step box

Configuration Options

Horizontal or Vertical

- Good for stairwells or ventilation shafts
 - Surface or interior mounted
 - Tamper-resistant covers on exposed hardware
 - Can be automated or manually activated

Patent Pending
