



FLOOD MITIGATION  
SOLUTIONS

# Flex-Wall® 2510 Side Deploy



The side deployed Flex-Wall® 2510 has been tested and approved to the ANSI/FM 2510 American National Standard for Flood Abatement Equipment for Openings. The Flex-Wall® 2510 is qualified for a range of Design Flood Elevations, up to 6 feet of water, across varying width openings, and up to 21 feet, all without posts across the span. The system includes a high-strength fabric wall that can be deployed rapidly for flood protection. The patented system is stored in a container at the point of use so that all materials and components are available when needed. Sealing is achieved via clamping to the opening walls and the ground. Connection at the opposite end of the opening is accomplished by bolting an integral Structural End Bar and a Vertical Clamp Bar to a preinstalled Receiver. All operations are manual in case of power outage and use standard hand tools. The Flex-Wall® is simple to operate and can be easily deployed or stowed by two people within 30 minutes.

## FEATURES AND BENEFITS

- **Point-of-use storage** — Deploys at the last moment for minimal operational disruption, resumes operations faster, no lost components
- **High DFE and Wide Opening Protection** - 6' DFE at 21' wide opening with seepage <0.08 gal/hour/linear foot of perimeter and no center posts
- **Rapid deployment** — Site secured in 20 minutes by two people
- **Compact stowage** — Stores in small spaces
- **Scalable design** — Sized to fit multiple vertical openings
- **Robust materials and construction** — Withstands debris impacts

FLEXIBLE BARRIER  
STORAGE CONTAINER



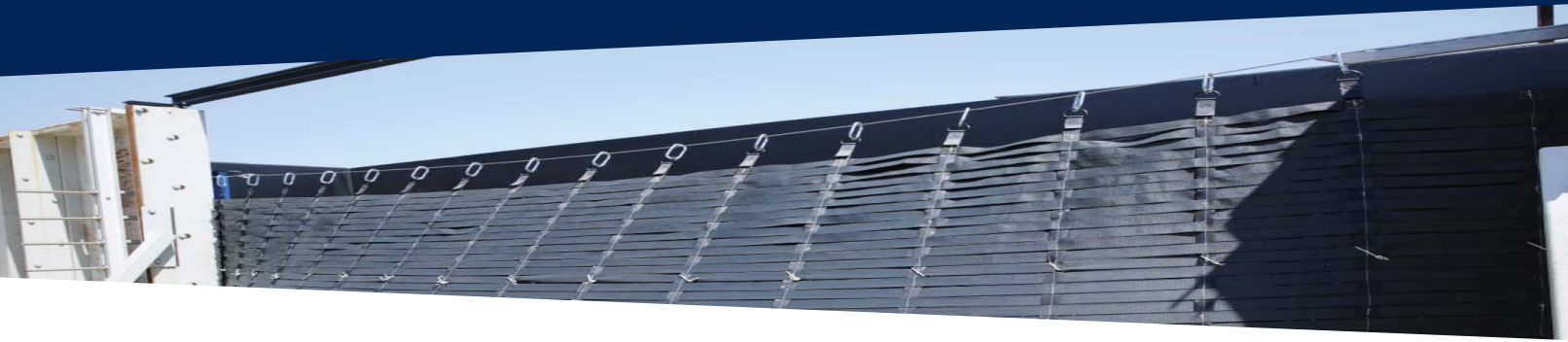
FLEXIBLE BARRIER

CLAMPED SKIRT

GROUND CLAMPS &  
RECEIVER CONTAINER



# Flex-Wall® 2510, Side Deploy



## OPERATION

The Flex-Wall® 2510 is deployed by opening the storage container, attaching a guide cable to a winch at the opposite side of the opening, pulling the flexible barrier across the opening, bolting it to a receiver using the integral Structural End Bar, bolting the Vertical Sealing Clamp Bar to the Receiver, and securing the clamp bars at the ground/integral sealing skirt.

## SYSTEM COMPONENTS

**Flexible Barrier** — Two-layer flexible and damage-tolerant structure with integral sealing skirt on the water barrier

- Structural layer made of Kevlar® webbings
- PVC-coated polyester® water barrier

**Gasket** — Closed cell, Silicone flat gasket

**Ground Clamps** — Aluminum extrusions that seal the integral skirt to the ground

**Container** — Above-ground metal box with tamper-proof door panel

**Receiver** — Structure that attaches to the wall opposite the container, which accepts the Flex-Wall®

## CONFIGURATION OPTIONS

DFE	WIDTH	FLEX-WALL HEIGHT	STORAGE CONTAINER HEIGHT
6'	6'-21'	7'	8'
5'	6'-21'	6'	7'
4'	6'-21'	5'	6'
3'	6'-21'	4'	5'
2'	6'-21'	3'	4'
1'	6'-21'	2'	3'

## STANDARD SOLUTIONS TO MEET OPERATIONAL NEEDS



6' WATER LOADING TEST



GROUND CLAMPS



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