The OFC Advantage
The City of Hoboken Resiliency

Orange Flood Control, LLC
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OrangeFloodControl.com
The City of Hoboken Resiliency

10+ Projects Completed in Hoboken

The OFC Advantage

A Certified Women Business Enterprise (WBE) Providing Full-Service, Nationwide Flood Control Device Supply, Maintenance & Installation

Orange Flood Control, LLC, a Certified Women Business Enterprise, is the nation's most trusted name in flood control device supply, maintenance, and device installation services. Orange Flood Control, LLC provides the essential personal attention, quality workmanship, and customer support for every project and client. The frequency of catastrophic flooding events is increasing, and at Orange Flood Control, LLC, we understand the critical importance of trustworthy flood control services. Regardless of your project scope or complexity, we are fully prepared to serve as your expert storm water and flood preparation team.

Email us today at P.Garfinkel@OrangeFloodControl.com to learn more.

Experience Our Solution-Driven Approach

Flood Control Devices: Orange Flood Control, LLC provides the most appropriate flood control devices to meet your needs.

Flood Control Device Installation: Trust our trained & certified flood mitigation experts to install your devices correctly & train your staff.

Flood Control Device Maintenance: Our prevention professionals are fully trained on providing service and maintenance for your flood mitigation devices.

Flood & Storm Water Mitigation Consulting: Our sales team will listen to your needs, and consult with your team to determine automatic, passive, active, temporary, and permanent flood barrier solutions.

Flood Control Device Testing: Our experts provide comprehensive testing services to inspect the integrity and reliability of installed devices.

The EZ Flood Panel is the ONLY flood panel that is certified to provide you flood insurance credits!

The EZ Flood Panel uses our patented, sustainable flood-seal technology to protect elevators and control room doors against rising floodwater. This device creates a sealed barrier around the elevator doors, preventing water from entering. Each panel is designed specifically for a customized fabrication to meet individual installation requirements and custom shaping and contouring to meet job-specific demands. It is both easy to install and remove, taking only a few minutes.

- FEMA Compliant
- ISO Certified
- Insurance Industry Certified
- Lower Insurance Premiums
- Lower Insurance Deductibles
- Better Coverage Limits
- Cost-Effective
- Federal Grant Assistance
- No Business Interruption
- Installation Available

EZ Flood Panel for Elevators and Control Rooms

Less Then 5 Lbs PSF
CCN Seal Technology
Gel Coat
Stainless Steel Anchors
Corrosion Resistant
Bolts Within 7 Mins

Features & Benefits

- Light weight
- Durable
- Cost-effective
- Corrosion-resistant
- Withstands more than 12,000 PSI
- Easy to install and remove
- Environmentally friendly
- Made in the USA

Orange Flood Control is your turn-key flood mitigation company for consulting, device sales, installation, maintenance, service, and training.

(201) 746-0921 | Sales@OrangeFloodControl.com | OrangeFloodControl.com
Installed 2500 Sq. Ft. of Barriers in Hoboken

**EzDam® Flood Barrier**

**Flood Protection That Goes Up Fast**

When flooding happens, the ability to act quickly is critical. The EzDam® from PS Flood Barriers® is an easy, lift-out option for flood protection that deploys in just 30 seconds! The perfect alternative to heavy and messy sandbags, EzDam provides you with reliable flood protection and stores conveniently away from your opening when flooding conditions are not present. It can be used for commercial buildings as well as in some residential applications.

**Quick and Easy Deployment**
- Simply latch the barrier to the jambs in front of your opening
- Deploys in under a minute
- Installation only requires one person
- At a weight of only 28 pounds, it can be lifted easily
- Compression seal requires no compressed air for activation

**Convenient Stock Sizes and Customization**
- In-stock models include 42” wide and 52” wide with a flood-protection height of 36”
- Models with flood-protection heights of 48” are also available using different jambs
- Can be made to fit any size door or opening

**Corrosion-Resistant Construction**
- Made entirely of aluminum, it is built to last

**Standard Technical Data**

**Material:**
- EzDam panel to be fabricated from formed aluminum sheets and aluminum tubing, factory-welded construction
- Gaskets to be compressible EPDM rubber type, field replaceable
- Frame members to be fabricated from formed members
- Aluminum of appropriate size and strength with welded or mechanical-fastened construction
- Aluminum products to be mill finish; exposed, interfering welds are ground, not filled or polished
- Exposed welds are factory acid washed, neutralized and rinsed

**Hardware:**
- Frame Mounting Hardware: Anchors and sealants provided as necessary
- Operating Hardware: All necessary sealants and hardware are included for installation, latching and retaining flood barrier as designed

**Flexible Sizing:**
- 36” and 48” in stock
- 24” and other custom sizes available upon request

**Installation:**
- Install in accordance with manufacturer’s installation instructions; approved shop drawings; shipping, handling and storage instructions; and product carton instructions for installation
- Frames/jambs shall be installed level, square, plumb and rigid
- Urethane sealant (sold separately) to be applied per product application directions and in accordance with manufacturer’s instructions. Commercial quality sealant can be purchased from PS Industries by ordering part #509809 or from select retailers, please refer to the O&M for more information.
- Tolerances: All dimensional requirements must be in accordance with manufacturer’s installation instructions and shop drawings

**Field Testing:**
- Perform visual dry test for gasket alignment, continuity contact and pre-compression
- Construct temporary water barrier and test installed flood plank

Orange Flood Control is your Turn-Key Flood Mitigation Company for Consulting, Device Sales, Installation, Maintenance, Service, and Training.

(201) 746-0921 | Sales@OrangeFloodControl.com | OrangeFloodControl.com
HYDRODEFENSE™ FLOOD PLANK (FP-530)
FOR RELIABLE FLOOD PROTECTION, THE BEST DEFENSE IS HYDRODEFENSE™

The HydroDefense™ Flood Plank system is the most reliable way to protect openings like walk doors, retaining walls, driveways and storefronts from the advance of floodwater. Our flood planks, also known as stop logs, are easily deployed by stacking them on top of one another, creating a watertight barrier in front of your opening. Unlike permanent protection structures, HydroDefense Flood Planks are stored away from your opening, making them the ideal solution when you need protection in place only at the time of flooding.

EFFECTIVE AT STOPPING WATER
- Aluminum construction, corrosion resistant
- 100% customizable to fit your specific opening
- Designed and tested to meet ANSI 2510 and FM 2510 approval standards
- Available in vertical six-inch increments and custom lengths

NO TRIPPING HAZARDS, EASIER INSTALLATION
- Sills embeds are flush to concrete, with no tripping hazard
- Unique latch system designed for simple, quick deployment
- Lightweight planks designed to be installed by a single individual
- Compression sealed with simple latch system (no compressed air required)
- Planks are stored away from the opening (and installed at time of flooding only)

Ask About Our Other Flood Barriers:
- EzOpen™
- Self-Closing Flood Barrier
- HydroDefense™ Flood Plank Wall System

STANDARD TECHNICAL DATA

MATERIAL:
- Flood Plank and Frame: 6000 series aluminum alloy
- Gaskets: UV-resistant EPDM (high-grade material) unless otherwise noted
- Mullions: Removable mullions create a sectional barrier of any length
- Installation: To be installed to structural walls, typically concrete or masonry

SILL:
- Embedded angle with Nelson studs:
  - Mild carbon steel, hot-dipped and galvanized
  - Stainless Steel Type 304, mill finish
  - Mounted Sill: Stainless steel

HARDWARE:
- Frame Mounting Hardware: Provide anchors, sealant and water stop, as required
- Labeling: Each watertight plank and jamb will be individually identified for matched installation

PERFORMANCE:
- Tested to the American National Standard for flood abatement equipment ANSI/FM approvals 2510-2014 4.3.3 up to 12-foot water protection level

STORAGE:
- Protect materials from exposure to moisture during storage
- Store materials in a dry, warm, ventilated, weatherproof location
- If outdoor storage is required, block materials to store at an incline, to prevent pooling of any moisture and promote runoff
- Tarp materials in a tent-like arrangement, elevated above the product with open sides to allow airflow
- Store all other hardware in a dry controlled environment

DEPLOYMENT INSTRUCTIONS

STEP 1: Lubricate jamb seals with a water-soap mix. Find the plank labeled "Bottom Plank" and slide one end into the jamb toward the sill (do not slide all the way to the sill). Slide the other end into the jamb until the plank is level (careful not to tear the gasket). Once level, slide the plank straight down to the sill.

STEP 2: Install remaining planks in the same manner as the bottom plank. Ensure contact with the plank below before moving on.

STEP 3: Install standard jamb mount latch. If gaskets are not properly compressed, unlatch barrier panels and adjust latching accordingly. Hand tighten the latch spin knob to a torque of 40 in. lbs.
HYDRODEFENSE® FLOOD PLANK XL (FP-535)

FOR FLOOD PROTECTION ON LARGE OPENINGS, THE BEST DEFENSE IS HYDRODEFENSE®

The HydroDefense® Flood Plank XL (FP-535) from PS Flood Barriers™ is the most dependable way to protect large openings like driveways, loading docks, storefronts, retaining walls and full building perimeters from the advance of flood water. Specifically engineered to protect extra large openings, the HydroDefense system is custom built using our proprietary flood planks, also known as stop logs, to address your distinct flood vulnerabilities. The HydroDefense Flood Plank XL is stored away from your opening, providing the perfect solution when you need protection in place only at the time of flooding.

EASY INSTALLATION
- Identical flood planks of symmetrical shape allows for quick assembly because planks fit either way
- Easy-grip construction makes part handling simpler and safer
- Fewer pieces to track means less stress during assembly
- Easy-to-replace seal can be changed in the field in minutes

KEEPS WATER OUTSIDE WHERE IT BELONGS
- Rugged extruded-aluminum planks and durable gaskets are tested to withstand the rigors and unpredictable nature of flooding
- Components are engineered to integrate together to form a structural watertight wall
- Rugged T-Lock seal is mechanically locked in place

CUSTOMIZABLE, ADJUSTABLE AND SAFE... HYDRODEFENSE MAKES MORE SENSE
- 100% customizable to meet virtually any building or large area opening requirements
- Unique spin down latches enable walls to be set up with varying heights (instead of all or nothing)
- Lockable spin down latches allow the deployed barrier to lock in place
- Affordable replacement seals make it easier to keep a well-maintained flood solution

STANDARD TECHNICAL DATA

<table>
<thead>
<tr>
<th>MATERIAL:</th>
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<tbody>
<tr>
<td>Flood Planks and Frame: 6000 series aluminum alloy</td>
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<tr>
<td>Seal: UV Resistant EPDM (High grade material)</td>
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<tr>
<td>Installation: To be installed to structural walls, typically concrete or masonry</td>
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<tr>
<td>Floor Surface: Seals to existing floor surface or optional embedded steel all</td>
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<tr>
<td>Mullions: Removable mullions create a sectional barrier of any length</td>
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HARDWARE:
- Spin down compression latches with security locking

PERFORMANCE RATING:
- Tested to the American National Standard for flood abatement Equipment ANSI/FM approvals 2510-2014 4.3.3 up to 12 foot water protection level

DEPLOYMENT INSTRUCTIONS:

Step 1. Remove cover assembly from jambs and spray jamb seals with a water-soluble mixture.

Step 2. Install the plank that is labeled “Bottom Plank” first. This plank is unique and the gaskets have been factory sealed to ensure a watertight junction with the all.
   A. Place one corner of the bottom plank into the jamb.
   B. Angle the opposite end of the plank upward until it clears the opposite jamb.
   C. Slide the plank into the jamb, taking care to not tear the jamb gasket.
   D. Level plank and slide down.
   E. Center the plank between the jambs and ensure the plank fully overlaps both jamb gaskets.

Step 3. Install the intermediate planks in the same manner as the bottom plank, ensuring that each plank is fully seated onto the plank below. If this is not achieved, lift and re-seat the plank on the plank below before continuing.

Step 4. Install latching, making certain to tighten both latch sides evenly to compress planks uniformly. Tighten latch bolts to a torque of 100 in-lbs. To ensure the gaskets are compressed uniformly, measure from the floor to the top plank on both ends. These dimensions are required to be within 1/4" of each other. Use of supplied latch lock is optional but recommended in locations where tampering of the HydroDefense™ Flood Plank Wall System is prevalent.
HYDRO1® PEDESTRIAN FLOOD DOOR (HYDRO1-PD520)
EVERYDAY FUNCTIONALITY, LOWEST LEAKAGE RATE IN THE INDUSTRY

The new Hydro1 Pedestrian Flood Door from PS Flood Barriers™ redefines the term “multi-functional,” serving as both a passive flood-protection barrier and a normal-use pedestrian/egress door. It provides protection with the lowest leakage rate in the industry and requires no human intervention to deploy. Floodwater stays outside where it belongs. The Hydro1 is a purpose-built flood door, not to be confused with repurposed hollow metal doors that fail to meet engineering required for a flood door (and feature gaskets on walking surfaces).

AROUND-THE-CLOCK PEACE OF MIND
- Always in place, providing 24-hour flood protection while still allowing access to your facility
- Lowest leakage rate in the industry with independent-party-witnessed factory testing to 3’ and 20’ water protection heights; 50% less leakage than the ANSI/FM Approvals 2510-2020 4.3.3 standard (hardware included)
- One-piece perimeter gasket creates a forgiving, water-tight seal
- The Hydro1-PD520 Single configuration door has passed Florida Product Approval testing, including approval for the High Velocity Hurricane Zone (Miami-Dade and Broward counties). FL #39631

ENGINEERED TO MEET THE CHALLENGE
- Door and threshold are ADA compliant
- Professionally engineered to meet flood codes
- Professionally hydrostatic load-tested to the ANSI/FM Approvals 2510-2020 4.3.3 standard (testing documentation available)

UNIQUE OPTIONS TO MEET YOUR EXACT REQUIREMENTS
- 100% customizable
- Available in single and paired configurations
- Fully assembled with authorized hardware and lockset installed
- Step-by-step, detailed installation instructions

HYDRO1® FIRE RATED FLOOD DOOR (HYDRO1-PD522)
EVERYDAY FUNCTIONALITY, LOWEST LEAKAGE RATE IN THE INDUSTRY

The HYDRO1-PD522 Fire Rated Flood Door is a normal-use swing door, specifically engineered for interior and exterior openings requiring watertight flood protection and a 90-minute fire rating. It provides protection with the lowest leakage rate in the industry and requires no human intervention to deploy. Always in place, this dual-defense door provides unmatched flood and fire protection while allowing pedestrian access to your facility.

AROUND-THE-CLOCK PEACE OF MIND
- Always in place, providing 24-hour flood protection while still allowing access to your facility
- Lowest leakage rate in the industry with independent-party-witnessed factory testing to 3’ and 20’ water protection heights; 50% less leakage than the ANSI/FM Approvals 2510-2020 4.3.3 standard (hardware included)
- 90-minute fire rated — positive pressure endurance test criteria per UL10C
- One-piece perimeter gasket creates a forgiving, water-tight seal
- The Hydro1-PD522 Single configuration door has passed Florida Product Approval testing, including approval for the High Velocity Hurricane Zone (Miami-Dade and Broward counties). FL #39631

ENGINEERED TO MEET THE CHALLENGE
- Door and threshold are ADA compliant
- Professionally engineered to meet flood codes
- Professionally hydrostatic load-tested to the ANSI/FM Approvals 2510-2020 4.3.3 standard (testing documentation available)

UNIQUE OPTIONS TO MEET YOUR EXACT REQUIREMENTS
- 100% customizable
- Available in single and paired configurations
- Fully assembled with authorized hardware and lockset installed
- Step-by-step, detailed installation instructions
HYDRO1® MECHANICAL ROOM FLOOD DOOR

HYDRO1-PD525

UNIQUE FLOOD PROTECTION FOR YOUR CRITICAL BUILDING INFRASTRUCTURE

The new Hydro1® Mechanical Room Flood Door redefines the term "multifunctional," serving as both a passive flood-protection barrier for your mechanical room and a normal-use pedestrian/egress door. It provides protection with the lowest leakage rate in the industry and requires no human intervention to deploy. This door is specifically designed to protect electrical rooms, boiler rooms, wastewater pump stations/treatment plants, emergency backup generator rooms and more.

CONSTANT PROTECTION FROM DESTRUCTIVE FLOODWATER
- Always in place, it provides unmatched flood protection for your building's vital infrastructure when the door is closed and latched
- Lowest leakage rate in the industry with independent-party-witnessed factory testing to 3’ and 20’ water protection heights; 50% less leakage than the ANSI/FM Approvals 2510-2020 4.3.3 standard (hardware included)
- One-piece perimeter gasket creates a forgiving, watertight seal

ENGINEERED TO MEET THE CHALLENGE
- Door and threshold are ADA compliant
- Professionally engineered to meet flood codes
- Professionally hydrostatic load-tested to the ANSI/FM Approvals 2510-2020 4.3.3 standard (testing documentation available)

EASY INSTALLATION
- Fully assembled with authorized hardware and lockset installed
- Step-by-step, detailed installation instructions

UNIQUE OPTIONS TO MEET YOUR EXACT REQUIREMENTS
- 100% customizable
- Available in single and paired configurations

PRODUCT APPROVALS & TESTING

- FL20710-RI - Florida Building Product Approval - Oversized Impact Resistant Flood Windows
- FL23261-RI - Florida Building Product Approval - Skylight
- FM2510 – Flood & Hydrostatic Testing
- TS11597 - Impact Testing

ARCHITECTURAL DESIGNS

- Architectural Details - Oversized Impact Resistant Flood Window
- Architectural Details - Fixed Stainless Steel Fire Window
- Architectural Details - Oversized Skylight & Skylight
HINGED FLOOD BARRIERS
FLOOD PROTECTION AT ANY WATER LEVEL

Hinged Flood Barriers from PS Flood Barriers™ are designed specifically for the height of water protection that you require. Similar to a swing door, this barrier is permanently installed at your opening. During flooding conditions, the barrier is closed and latched, providing quick and easy flood protection at your fingertips. When flooding conditions are not present, the barrier is stored in the open position without altering the design or aesthetics of your building. Available in single swing (HSS-550) or paired swing (HPS-555) configurations.

QUICK AND EASY FLOOD PROTECTION
• Latching system designed for simple, quick deployment by minimal personnel
• Compression sealed with a simple latch system (requires no compressed air for activation)
• Simply close the barrier during flooding conditions to protect your facility from dangerous floodwaters

DESIGNED TO KEEP FLOODWATER OUT
• Available in single swing (HSS-550) or paired swing (HPS-555) variations
• 100% customizable to meet your opening requirements
• Can be designed without a raised sill
• Available in mild steel, stainless steel or aluminum

SLIDING FLOOD BARRIER (HS-560)
FLOOD PROTECTION THAT MOVES INTO PLACE QUICKLY

The Sliding Flood Barrier from PS Flood Barriers™ offers unsurpassed flood protection for openings with a limited swing area. Designed specifically for the height of water protection that you require, our barrier keeps floodwater out by sliding horizontally into place and covering your opening at a moment's notice. Engineered for fast-acting deployment, this barrier is stored at the opening site and requires minimal personnel for activation. It is ideal for commercial buildings, including driveways/walkways, storefronts, exterior/interior door openings, loading docks and retaining walls.

QUICK AND DEPENDABLE FLOODWATER PROTECTION
• Stored at the opening for quick and easy deployment by minimal personnel
• Simple latch system designed for quick and easy activation
• Compression-sealed (requires no compressed air for activation)

DESIGNED WITH YOUR UNIQUE NEEDS IN MIND
• Available in mild steel, stainless steel or aluminum construction
• 100% customizable to fit your specific opening size
• Designed with a recessed sill (with a cover) or a flush sill (eliminates tripping hazard)

Ask About Our Other Flood Barriers:

Bottom Hinge Flood Barrier  Vertical Lift Flood Barrier  Sliding Flood Barrier

Bottom Hinge Flood Barrier  Lift-Out Flood Barrier  HydroDefence™ Flood Plank Wall System

ORANGE FLOOD CONTROL IS YOUR TURN-KEY FLOOD MITIGATION COMPANY FOR CONSULTING, DEVICE SALES, INSTALLATION, MAINTENANCE, SERVICE, AND TRAINING.

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FloodBreak® Pedestrian Gate
Passive Automatic Flood Barriers
Spill Containment Barriers

Permanent Flood Protection. 24/7 Access.
The FloodBreak® Pedestrian Gate is a passive flood barrier that deploys automatically, without human intervention or power, to provide 24/7 flood protection for pedestrian pathways and entrances.

- Fully automatic, 24/7 passive flood protection.
- Hidden below grade to allow full pedestrian access.
- Can blend with surroundings.
- Passive mitigation measure - preferred by FEMA.
- Certified by an Independent Professional Engineer.

Revolutionary Flood Control
The FloodBreak Automatic Floodgate provides permanent flood protection, 24/7, without people or power. Permanently installed and nearly invisible beneath entryways, FloodBreak flood barriers protect virtually any vulnerable flood path while allowing unimpeded access to your facility.

Innovative Engineering Design
A simple yet effective innovation, the FloodBreak passive flood control system uses hydrostatic pressure from the rising floodwaters to automatically deploy the buoyant hinged beam and activate the self-sealing rubber gaskets.

APPLICATIONS:
- Doorways
- Walkways
- Floodwall openings
- Building vestibules
- Campus paths
- Staircases

No People, No Power
24/7 Confidence

BENEFITS:
- 100% passive
- Fully automatic
- 24/7 protection
- Permanently installed
- Long service life
- No storage
- No training hassles
- Minimal maintenance
- Custom sized
- Any length or height

Find out how FloodBreak proven passive protection can fit into your flood project.

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FloodBreak® Vehicle Gate
Passive Automatic Flood Barriers

Permanent Passive Protection. 24/7 Access.
The FloodBreak® Vehicle Gate is a passive flood barrier that deploys automatically, to provide protection 24/7 without human intervention, mechanical assistance or power.

- True passive, fully automatic with no mechanical assistance or pumps.
- Hidden below grade to allow full vehicular access.
- No practical height or length limitation.
- Engineered for decades of service life in extreme conditions.
- Rated for HS-20 loads.

Revolutionary Flood Control
The FloodBreak Automatic Floodgate provides permanent flood protection, 24/7, without the need for people or power. Permanently installed and nearly invisible beneath entryways, FloodBreak flood barriers protect virtually any vulnerable flood path while allowing unimpeded access to your facility.

Decades of service life
All components are specified so that rust or corrosion is not a factor even in harsh environments.
- Aluminum alloys - extrusions, plates, bars and hinges
- Stainless steel - bolts and pins
- EPDM rubber – gaskets
- Non-skid durable epoxy coatings

Find out how FloodBreak proven passive protection can fit into your flood project.

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• The OFC Advantage •

Contact Us Today!

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Authorized Flood Prevention Distributor For: