

Flood Defense Group Expands Availability of Temporary & Modular Flood Barriers

Flood Defense Group expands access to temporary and modular flood barriers for better, flexible flood protection solutions.

BOISE, ID, UNITED STATES, August 25, 2025 /EINPresswire.com/ -- Flood Defense Group, based in the United States, has expanded the accessibility of its removable flood defense systems, including the NOAQ Boxwall, NOAQ Tubewall, Geodesign modular flood barriers, and Flood Gate products. These systems are designed to support flood risk mitigation and emergency preparedness in various environments including urban developments, rural areas, critical infrastructure zones, and residential properties. The products are designed with non-permanent deployment in mind and may be used during flood events that require rapid assembly and removal.

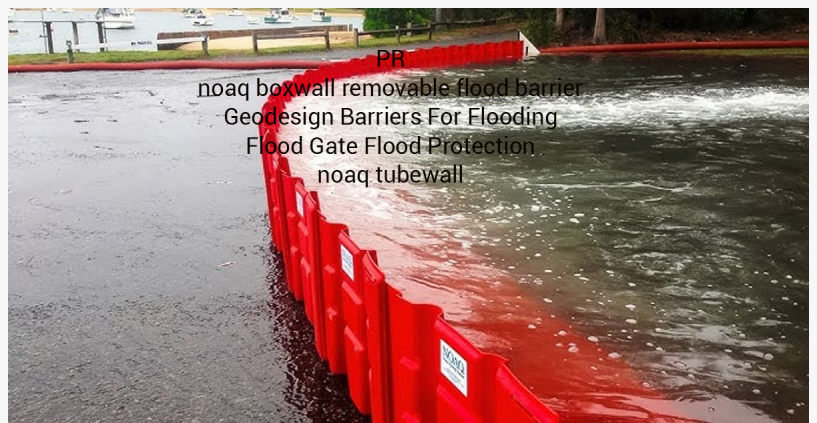
Changes in weather patterns and the increasing unpredictability of flood events have created greater demand for adaptable methods of water control that do not require permanent structural changes to the site. Many locations are not suitable for fixed flood walls or long-term construction, and as a result, organizations and municipalities seek alternatives that



noaq tubewall_



Geodesign Barriers For Flooding



noaq boxwall removable flood barrier

can be deployed based on specific threat levels. The systems now offered are focused on these criteria, using components that can be transported, installed, and removed without major mechanical assistance or long-term environmental disruption.

The NOAQ Boxwall and NOAQ Tubewall systems represent self-supporting and water-anchored technologies designed for fast response in areas where traditional construction methods may

not be feasible. These systems are modular in construction and are implemented based on the needs of the specific site and the characteristics of the anticipated flood event. They are often used in response to localized flood threats where temporary but reliable barriers are necessary to reduce water ingress.



Flood Gate Flood Protection_

The NOAQ Boxwall is composed of lightweight, interlocking units shaped to withstand lateral water pressure by using the weight of the floodwater itself to maintain its position. Each unit is manufactured to connect directly to the next without tools or permanent fixings. The system is suitable for flat, paved surfaces such as roadways, sidewalks, and loading zones. It functions without the need for ground anchoring or ballast. The Boxwall can be placed in straight lines or configured to surround structures or form angular connections to suit site requirements. Once the threat has passed, the system can be removed and stored.

In addition to these water-anchored barriers, Flood Defense Group provides Geodesign modular barriers that are engineered to withstand higher water loads and longer-term exposure. The [Geodesign system](#) includes structural frames and connecting panels that are manually assembled on-site. This system differs from the [NOAQ systems](#) in that it provides mechanical reinforcement through angled supports and cross-members, giving it the capacity to hold back deeper water over larger areas. The configuration can be adjusted during deployment to match the location's layout, including angles, curves, and changes in elevation.

The Geodesign system is constructed to be reusable. It is disassembled after use and stored until the next deployment. It has been used in areas where there is recurring flood risk, and where the need for reapplication is expected over time. Its materials are built to resist deterioration under typical environmental stressors. Due to the increased size and load-bearing properties, the deployment process often requires training and coordination, especially in larger-scale applications involving public infrastructure or industrial facilities.

The [Flood Gate barrier system](#) serves a separate function from both the Geodesign and NOAQ technologies. It is intended for individual entry points such as doors, garages, and low-level

openings. The Flood Gate is composed of an adjustable frame that fits securely into structural openings and uses mechanical pressure to seal against floodwater. No permanent installation or modification of the building is necessary. The unit can be installed shortly before the onset of water and removed once the area is secure. It provides point-specific protection, rather than perimeter control, and is used in homes, small businesses, and urban buildings where limited floodwater access through a single entry point can result in internal damage.

Flood Defense Group supplies these systems for flood defense planning, emergency operations, and site-specific mitigation efforts. The design of each system reflects a use-case model, wherein materials and form factors are selected based on the expected depth, velocity, and duration of the floodwaters. Each barrier operates with a specific set of operational parameters and physical behaviors, requiring appropriate evaluation before deployment.

The selection of any flood barrier system generally follows an assessment of the risk factors, including geographic vulnerability, infrastructure type, and historical data. The presence of underground utilities, traffic access, and building code limitations may also influence which systems are used in a given situation. Because no two flood events follow an identical pattern, the ability to combine or modify systems for different conditions is often a consideration during planning.

Systems such as those manufactured by NOAQ or Geodesign have been incorporated into municipal preparedness programs and infrastructure protection protocols. While these systems do not replace permanent levees or fixed floodwalls in all cases, they serve in capacities where such measures are not practical or cost-effective. They are also utilized in contingency planning where flexible response capability is a priority.

In locations where groundwater seepage or high tides create recurrent minor flooding, point defense systems like Flood Gates can be used to contain water entry without requiring extensive drainage modifications or elevation of structures. Their non-invasive nature allows for application in heritage buildings or restricted-access facilities.

Flood Defense Group has emphasized the importance of applying these systems according to site-specific conditions and not as universal solutions. The systems require understanding of water behavior, structural stability, and deployment limitations in order to function as intended. Each product is accompanied by documentation for setup, use, inspection, and maintenance. End users are advised to consult with local emergency management or engineering professionals before selecting and installing any system for flood control.

Flood control systems that can be removed after an event may also be preferable in areas where aesthetics, pedestrian traffic, or zoning rules prohibit permanent installations. The temporary nature of these barriers allows them to be used in public or private areas without creating ongoing changes to property layout or land use classification. The systems offered are part of ongoing developments in passive and reactive flood

management. As urbanization increases and infrastructure becomes more complex, the ability to deploy protective measures with minimal disruption is a central part of adaptation planning. These barriers support that approach by providing options that are scalable and non-permanent.

About Flood Defense Group

Flood Defense Group is a United States-based provider of flood control and mitigation systems. The company supplies a range of modular and removable barriers, including air-filled, water-filled, soil-filled, and water-anchored solutions. The group also offers framed gate and panel systems for point-of-entry protection. These systems are designed for use in varied conditions and may be deployed in both public and private sectors. Flood Defense Group supports planning, preparedness, and response efforts by offering equipment that can be installed based on situational need. The systems are not intended to replace permanent flood infrastructure but are used where temporary or removable solutions are appropriate.

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