



Customer Questions



How do I install the Hydro Dam™ Aluminum Flood Barrier?

With Hydro Dam, basic installation is always included. If you prefer to install yourself we can provide instructions.

Are any tools or additional resources needed when deploying the Hydro Dam™ Barrier?

For the initial setup and to secure the support posts on either side of the area to be protected, a hammer drill is used to create the necessary holes for the expansion bolts.

When installing the planks before a potential flood, use the included Allen wrench to tighten them into place and secure the upper locking plate.

What materials are used to manufacture the Hydro Dam™ Flood Barrier?

The Hydro Dam™ aluminum flood barrier is made from high-quality extruded aluminum panels and posts, with cast aluminum fittings. All hardware is stainless steel, ensuring durability and resistance to weather and corrosion.

How is the seal formed with the ground?

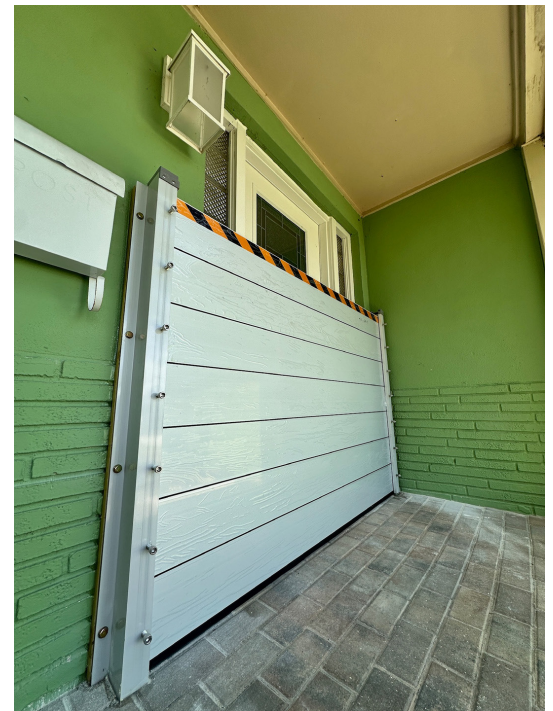
The bottom Hydro Dam™ flood plank features an rubber seal that creates a strong seal with the ground. Since the plank itself is rigid, some ground leveling may be necessary to ensure proper contact, especially on uneven surfaces. Additional planks include closed-cell rubber seals to ensure a watertight connection between each layer.

What level of flooding can the Hydro Dam™ panels protect against?

Hydro Dam™ barriers can withstand floodwaters up to 6 feet. Each plank measures 7.28 inches in height. Order the number of planks required to reach your desired protection height. A standard configuration typically uses 5 panels, offering about 3.28 feet of protection.

How long does it take to install a Hydro Dam™ flood control wall?

Installing the posts permanently on either side of the opening takes approximately one hour. Plank installation is completed within minutes, with a bit of extra time needed to tighten each plank and the top locking plate.



How Many Panels Do you Need?

The panels of the flood barrier system are stackable to the preferred height of the system.

3.28 ft Height = 5 Panels

3.90 ft Height = 7 Panels

5.28 ft Height = 8 Panels

5.90 Ft Height = 10 Panels

How long can the Hydro Dam™ system extend before needing a center post?

The Hydro Dam™ flood barrier can be extended using center posts for added structural support.

A middle post is required on any opening exceeding 9ft in width. The inclusion of a middle post is crucial to secure larger openings from the pressure of flood water. Your Hydro Dam™ installation expert will include the middle posts when necessary.

Are posts installed on the inside or outside of the opening?

This depends on your specific installation scenario. Hydro Dam™ posts can be mounted on either the inside or outside of the opening. We generally recommend outside installations, as the existing wall provides additional structural support behind the posts. However, if your wall is solid and reliable, inside mounting with our expanding anchor bolts is also an option.

Please note: inside mounting will reduce the width of the opening by approximately 4 inches on each side, which may not be ideal for narrow entrances.

Whichever method you choose, ensure the planks will not interfere with hinges, moldings, or existing door hardware.

If you're unsure, send us a photo of your opening at info@hydrodam.com, and we'll gladly assist with a recommendation.

Can I create turns with the Hydro Dam™ system?

Yes, we offer 90-degree corner sections that allow the system to turn, making it ideal for perimeter protection applications.

My building's exterior is brick and uneven. Will the barrier still prevent flooding?

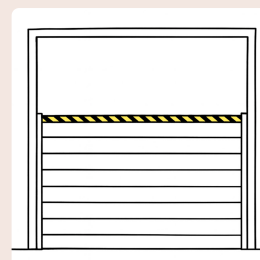
Hydro Dam™ posts must be installed on a flat and solid surface to form a proper seal between the post and the wall. Support may be used behind the posts for uneven surfaces.

We recommend mounting posts to surfaces like brick, cinder block, or concrete, as these materials provide the strength needed to resist the hydrostatic pressure from rising floodwaters.

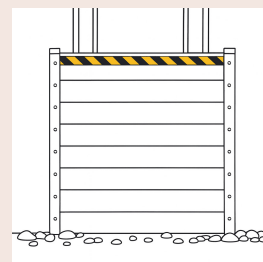
How do I clean the Hydro Dam™ barriers after use?

After use, panels can be rinsed with a hose or a pressure washer. Make sure to remove any debris, and avoid damaging the rubber seals when using high pressure. For stubborn dirt, standard household cleaners are safe to use. Only stack the planks once they are completely dry to prevent mold or deterioration.

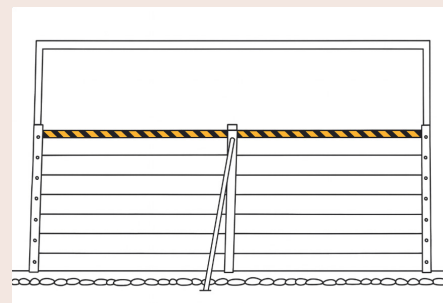
Inner Post



Outer Post



Middle Post





After I install the posts, are they permanently attached to my opening?

Yes, in most cases, once the posts are installed, they remain permanently fixed to the opening. Before installing the flood panels, we recommend verifying that all bolts are properly tightened.

It is possible to use standard drop-in masonry anchors to allow for removable center posts, but this is not recommended for standard post installations due to potential stability concerns.

What maintenance is required?

We recommend inspecting Hydro Dam posts and panels twice a year to ensure the materials and rubber seals remain in good condition. Generally, no regular maintenance is needed beyond these inspections.

How do I get started?

Reach out to us to speak with one of our flood protection specialists. We'll help you determine the right number and type of panels for your specific needs.

We recommend taking accurate measurements of your openings before contacting us. Photos of each area to be protected are also helpful in determining if the Hydro Dam system is the right fit for your property.



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