



STINGRAY
WATER DAM

What is the Stingray Water Dam made out of?

The Stingray is manufactured using a durable composite PVC mesh fabric, sewn in metal ballast plates and foam floatation strips. These add stability and allow the Stingray to self open when water enters the system. Stingray also features an industrial, waterproof zipper for seaming sections together to create longer flood dams.

What heights of protection can the Stingray Water Dam protect against?

The Stingray is manufactured at 3 different protection heights - 20", 30" and 48".

What lengths does the unit come in?

Each unit is available in 15ft and 30ft for ease of mobility and sections can be connected to each other, as needed, to achieve your desired length.

Can I connect the units together to make a longer run?

Yes, the Stingray Water Dam incorporates industrial, waterproof zippers on each side so you can extend your flood dam for as long as you need. Please note, only sections with the same height of protections can be connected to each other. For example, a 30" protection height unit can only be attached to another 30" high protection unit.

How Can I Make Turns with my Stingray flood dam?

Garrison offers a 90 degree turn piece, which allows sections to easily turn to surround buildings and other obstacles. These turn pieces function in the same way as standard Stingray water dams, but are shaped in a turn shape. There is no need to bend or overlap sections when making a 90 degree turn.

Can you drive over the Stingray unit?

Yes! The Stingray Water Dam, when not filled with water, can be driven over with moderate traffic so the unit can be deployed ahead of the expected flood event and will still make the area accessible.

How durable is the Stingray Water Dam?

The Stingray is very durable and is constructed using reinforced PVC fabric material. Sections are constructed using a process called whole thermal bonding, which adds tremendous strength. Stingray can withstand the impact from storm surges, flood debris and ice jams.

How do you set up the Stingray Water Dam?

Deploying the water dam is very easy as the material is flexible and comes stored in rolls or folded, depending on the unit and your preference. Unroll the section, placing the front ballast weights facing the oncoming water, in the desired location. The Stingray will conform to the surface below and create a seal that prevents water from migrating under the flood barrier. Connect units together as needed to create a straight run of protection and add turn pieces as needed to create a perimeter of flood protection. Grommet holes in the back of each unit allow staking or securing of the Stingray during high winds.

What if the Stingray Water Dam has flood debris or dirt on it?

Due to the nature of the material it is very easy to clean. Allow the flood water to recede and manually remove any large debris. Then, use a hose or pressure washer to remove the debris or dirt. Let the unit dry fully and fold or roll back up for future use.

Can the Stingray be used as a cofferdam?

Yes! The Stingray Water Dam is ideal for use as a cofferdam. It can be deployed in a body of water to dam off an area so that you may work safely. Additional tools such as sandbags or pumps may be required to eliminate the water completely.

How long does it take to deploy the water dam?

It varies depending on the size of the unit that you have and how many corners and attached units you have. For basic installation, 1-2 people can deploy 90ft in about 20 minutes.

Can I leave the units zippered together during storage?

For ease of deployment, you can leave the unit attached to each other. However, we recommend limiting the length of your barrier to manageable sections for 1-2 people.

Do I need any other tools or supplies for the Stingray Water Dam?

We do recommend using sandbags in places where the ground may be uneven to prevent seepage under the unit. You can also use standard stakes or rope tie downs to secure the barrier through the grommets on the back of each barrier.

What can we do about rainwater or leakage collecting behind the Stingray?

We recommend strategically placing sump pumps on the backside of the unit to pump out any collection of rainwater or minimal leakage that may occur due to uneven surfaces. These inexpensive pumps can be used to pump water back out and over the unit.

What types of surfaces can I deploy the Stingray Water Dam on?

The Stingray Water Dam is made from a flexible pvc material allowing it to conform to nearly any surface as well as to be deployed on varying surfaces within the same area. We recommend that if you are going up curbs or stairs, or transitioning from asphalt to grass, that you strategically place sandbags on those areas to provide added weight in the areas susceptible to leakage.



GARRISON
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