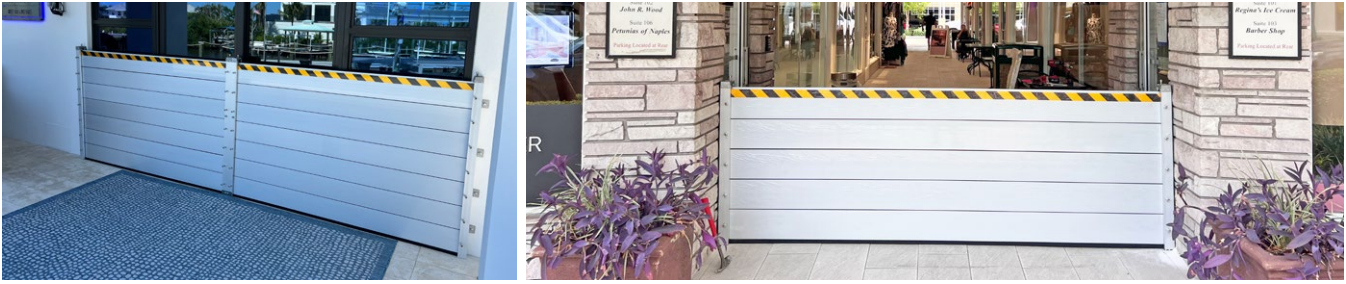


HAMMERHEAD ALUMINUM FLOOD PLANKS



GARRISON
FLOOD CONTROL

For Additional Help or Support -
Contact sales@garrisonflood.com
(929) 299-2099 | www.garrisonflood.com



Hammerhead™ Product Information

Please Note: This manual contains information regarding the operation and maintenance of the custom fabricated Hammerhead Aluminum Flood Plank System. The effectiveness of this system depends on proper installation and operation. The operation and usage other than for what this product is intended for could result in damage or less than acceptable performance at the time of need, for which Garrison™ Flood Control will not be held responsible. Improper maintenance will affect performance. Unauthorized modifications to the Hammerhead Aluminum Flood Plank System without prior written consent and approval from Garrison Flood Control, will void the warranty.

Operations

- I. Safety Precautions for handling Hammerhead Aluminum Flood Barrier Planks and accessories:
 - Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy shoes.
 - Inspect the planks before use for any signs of damage, such as dents, cracks, or bends. If any serious damage is found, take photos of the damaged plank and document.
 - Use proper lifting techniques when moving the planks. Bend at the knees and lift with your legs, not your back.
 - Be aware of your surroundings and avoid placing the planks near any electrical hazards, such as power lines.
 - If you are working with aluminum flood barrier planks in a cold or wet environment, be aware that the planks may become slippery. Take extra precautions to prevent slipping and falls.
 - If you are working with aluminum flood barrier planks in a windy environment, be aware that the wind may cause the planks to shift or blow over. Take extra precaution to secure the planks in place.
 - Always follow the manufacturer's instructions for handling and installing aluminum flood barrier planks.
 - Do not force planks or components if they do not operate freely. Check that all tensioning bolts are loosened prior to installation.
 - When dismantling Hammerhead flood barrier planks and components, protect all pieces and hardware.

II. Installation of Flood Planks

- Installation of Hammerhead should be completed in advance of expected flooding.
- Once flooding has started it is not recommended to attempt to install the Hammerhead system.
- When Hammerhead planks are installed, the premises should be vacated of all personnel.
- Remove all planks from storage and insert flood planks into the C-channel posts, per the installation instructions. Care should be given to the order of installation of flood planks.
- Once planks are installed, tighten down all flood planks and secure the top tensioning cap.

III. Flooding Conditions:

- When flooding conditions are present, ensure that the barrier is performing as expected. Check for any leakage during a flood event.
- It is not recommended to dismantle the barrier while flood waters are still present.
- It is always recommended that a back up pump be available to handle any overflow flooding or leakage.
- If the flood water exceeds the height of the barrier, or rain water accumulates behind the barrier, leakage may occur.

IV. Custom Designed:

Each Hammerhead Aluminum Flood Plank System is custom fabricated for the specific opening/entryway and is not interchangeable for another location.

Resources

- V.** Testing and Evaluation - Please refer to the FEA (Finite Element Analysis) testing performed on the Hammerhead Aluminum Plank System.

[FEA Testing Results](#)

- VI.** Shop Drawings - Refer to the standard shop drawings. Please note the dimensions may vary depending on the custom size and height requirements for your exact needs. Should you need opening specific shop drawings, these are available for a fee. Please speak to your Garrison representative to obtain a quote.

[View Drawings](#)

- VII.** Flood Plan - Garrison™ Flood Control recommends a comprehensive flood control plan be developed and maintained for any emergency plan.

[Access Here](#)

Storage and Handling

- Inspect products thoroughly upon receipt to check for any damage or defects.
- Store products in their original packaging until ready to install.
- Store materials in a dry and ventilated location. If storing outdoors, cover the materials and place them upright to prevent water pooling.
- Product should lay flat during storage.
- Use caution when unloading and handling products to avoid damage.
- When using forklifts, ensure machinery is the proper length to support the product being moved.

Maintenance

I. Pre Flooding Event/Annual Maintenance:

- Conduct inspection and maintenance of the system at a minimum, annually. This may require the replacement of bolts, planks, seals, anchors, and accounting for all of the components and accessories.
- It is recommended to store the Hammerhead system near the deployment location for rapid installation when needed.
- Utilize provided Hammerhead Inspection and Maintenance Log to document routine checks.

II. Cleaning:

- Clean all barriers after use using mild dish soap and fresh water. You can use a standard garden hose or pressure washer, set to the lowest setting, to clean you flood planks and posts.
- Dry flood planks in the sun or using a towel to prevent mold or mildew from forming.
- It is recommended to label flood planks by the opening name to be able to quickly identify the location for installation.

Hammerhead™ Aluminum Flood Plank System Warranty Registration Form

The Warranty will only be valid if the Owner completes and returns this form within thirty (30) days of Product receipt. Any claims for damage on custom orders must be made within 10 days of receiving of your order.

The following information is required:

Owner Name: _____	Company: _____
Address: _____	State/Province: _____
Zip Code: _____	Country: _____
Product Name: <u>Hammerhead Flood Plank System</u>	Date Installed: _____

Although testing of flood barriers is not required, Garrison™ Flood Control recommends testing flood barriers after installation to verify the effectiveness of the installation and ensure proper adjustment of flood barrier for peak performance.

The following information and signatures are required to ensure warranty coverage of the installed product.

1. Was the flood barrier field tested after installation? Yes No
2. If tested, which type(s) of testing was conducted?
 - Hose Test
 - Hydrostatic Test
 - Other Testing Method (describe below):

Owner or Installer

Test Witness Name (Please print.)

Signature

Signature

Date

Date

Return form to:
Garrison Flood Control
E-mail: sales@garrisonflood.com

