



The Minnow™ Water Activated Gel Filled Flood Bag is a sandbag alternative that offers incredible water absorption, compact storage, and a no-mess clean up after a flood or heavy rain.

The Minnow™ Gel Flood Bag is manufactured using high quality non-woven polypropylene material filled with a hydrophilic SAP (Super Absorbent Polymer) gel, which absorbs water and inflates within 3-4 minutes, creating a solid barrier against flooding. Minnow™ bags are activated using fresh water.

Minnow™ bags can be stored flat, transported quickly to flood sites, and installed rapidly using minimal labor.

Product Material

- **Exterior Material:** Non-Woven Polypropylene
- **Interior Material:** 100% Sodium Polyacrylate
- **Colors:** White and Black
- **UV Protected:** All Minnow Flood Bags are UV protected against material degradation and color fading
- **Warranty:** Standard 2-year warranty against manufacturer's defects

Damming Ability

The Minnow™ flood bag can be deployed in rows, and several bags deep, to create a barrier up to 3ft high (1.2m) for flood control.

We recommend placing Minnow bags lengthwise, parallel to the direction of water flow and to construct walls with a base roughly 2-3x the height required.

Note: Minnow bags will not activate in salt water and should not be used for ocean coastline flood protection.

Minnow™ Gel Filled Flood Bag - MW1



MW 1 (Standard Minnow™ Gel Filled Bag)

- **Shape:** Pillow Shape
- **Dimensions:** 23.62"L x 15.75"D x 4.72"H (when filled)
- **Weight:** 9.6oz Unactivated / 39-44lbs. Activated

Minnow™ Gel Filled Flood Bag - MW2



MW 2 (Square Shape Minnow™ Gel Filled Bag w/ Handle)

- **Shape:** Square / Box Shape w/Handles
- **Dimensions:** 15.75"L x 14.17"D x 4.72"H (when filled)
- **Weight:** 11.6oz Unactivated / 39-44lbs. Activated

Protect and Prevent Flooding Uses

- Equipment & Property Perimeter Protection
- Doorway & Loading Dock Protection
- Levee & Berm Construction Sites
- Sewer Grate Seal-Off & Damming Ability
- Driveway, Garage & Stairwell Protection
- Liquid Spill Clean Up & Absorption



MW1 SAP Gel Filled Minnow Bag
Before Water Absorption



MW1 Gel Filled Minnow Flood Bags
After Water Absorption



MW2 SAP Gel Filled Minnow Bag
(w/Handles) Before Water
Absorption



MW2 Gel Filled Minnow Flood Bags
(w/Handles) After Water
Absorption

Protect Doorways, Stairways & Redirect Water



How Many Minnow™ Flood Bags do I need?

For a 10ft run using Minnow™ Flood Bags (MW1), we recommend about 6 Standard Minnow™ Bags to be safe. For a 10ft run using the Handled Minnow™ Flood Bags (MW2), we recommend about 8 Handled Minnow Bags to meet your needs.

When stacking Minnow™ bags, we recommend widening the base when stacking higher than two bags. This mostly applies to standalone walls vs. stacked bags against a structure (door, etc.) to protect against rising flood water and seepage.

For standalone walls, we recommend roughly 2x the height in the width, so a 1ft tall wall should have a 2ft width. As such a 1ft tall x 10ft long standalone wall, using Standard Minnow™ Bags should use about 36 bags, or 3 bags H x 6 bags long, x 2 bags wide.

Deployment | Installation | Storage

Minnow™ bags can be stored flat, transported quickly to the flood site, and installed quickly, using minimal labor. As flood water rises, the Minnow flood bag will inflate and absorb water, creating a barrier.

Minnow™ gel filled flood bags are shipped flat in vacuum sealed bags to prevent water absorption. We recommend storing Minnow bags in a cool, dry room. Shelf life is roughly 3 years when kept in vacuum bags.

- **Minnow™ Bags (MW1):** Packed 5 pieces per bag, and 50 pieces per carton.
- **Minnow™ Bags w/ Handles (MW2):** Packed 4 pieces per bag, and 40 pieces per carton.

Once used, water activated flood bags can be disposed of as solid waste post flood, left in place for further flood mitigation or erosion control, or allow water to leave the bag and evaporate for additional uses.

Installation & Placement



Remove Minnow Bags From Vacuum Sealed Pouch



Place Minnow Bags in Fresh Water Pool For Inflation



Place First Row of Bags Down, With the Long Side Parallel to Water



Continue to Add Rows & Layers as Needed

After a layer or two, most engineers recommend that the base of a wall is 2-3x the height of the wall, such that a 2ft wall should have roughly a 4ft - 6ft wide base. This prevents water seepage and provides sufficient strength to resist water loads from rising floodwaters.

When adding rows, be sure to stagger the next row of gel bags to prevent seepage between seams and to provide greater flood protection.



Shipping Quantity Details

Minnow™ Gel Filled Flood Bag (MW1)

- **Standard Height Pallet:**
48"L x 40"W x 74"H
- Holds 1,200 MW1 / 860lbs.

Minnow™ Gel Filled Flood Bag (MW2)

- **Standard Height Pallet:**
48"L x 40"W x 74"H
- Holds 960 MW2 / 790lbs.