

# FLOOD BARRIER

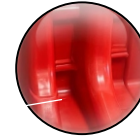
Marine

**MAAN**  
DEFENCE

A lightweight, L-shaped portable dam designed for rapid deployment in flood control, spill containment, and emergency water diversion.



Stackable Design - Space saving storage and easy transport.



Reinforced Structural ribs - Provides strength and durability under water pressure.

## Salient Features :

- ▶ **Hydrodynamic Stability:** Uses the flow of water for deployment and stability; requires no external weights or bolting.
- ▶ **Multi-Functional:** Can be configured in straight lines, curves, or closed-loop "flooding tanks" (specifically for EV battery fire suppression).
- ▶ **Watertight Seal:** Base-mounted rubber compound prevents water penetration and increases ground friction to prevent sliding.
- ▶ **Eco-Friendly:** Reusable with a long service life; reduces the environmental waste associated with contaminated sandbags.

## Applicable scenarios



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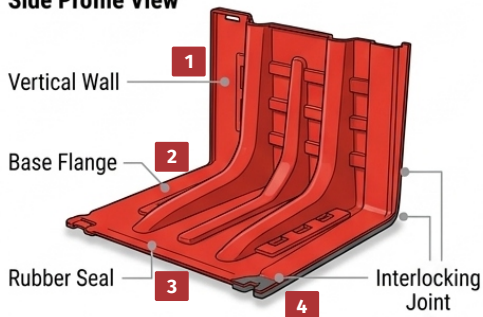
## Technical Specs :

Parameter	Typical Requirement
Material	High-Impact, UV-Stabilized Durable Plastic (Composite)
Design Principle	L-Shaped Hydrostatic Pressure (Self-Anchoring)
Stability Mechanism	Water-weight-to-pressure conversion
Sealing System	Integrated Anti-slip Rubber Gaskets & Strips
Storage Method	Stackable / Nestable Design
Installation	Tool-free, manual interlocking

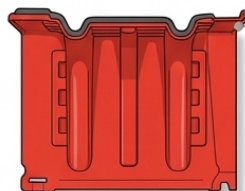
## MODULAR FLOOD BARRIER SYSTEM

### SINGLE UNIT SPECIFICATIONS

#### Side Profile View

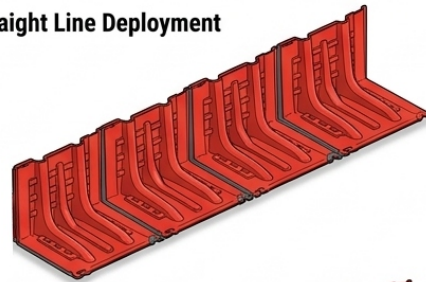


#### Top-Down View

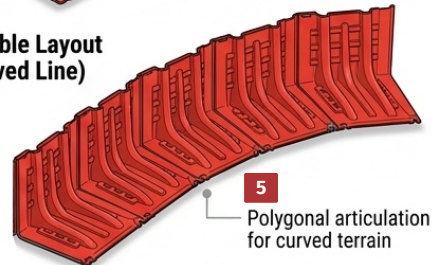


### SYSTEM CONFIGURATION OPTIONS

#### Straight Line Deployment



#### Flexible Layout (Curved Line)



1 Vertical Wall

4 Interlocking Joint

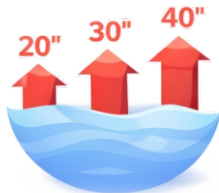
2 Base Flange

5 Polygon Articulation for Curved terrain

3 Rubber Seal

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**Water Protection Height**



**Full Perimeter Protection**



**Rapid Installation**



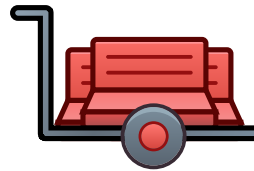
**Durable**



**Contains**



**Diverts**



**Easy Transport**



**Reusable**

## Performance Capabilities:

- ▶ **Replacement Ratio:** 1 unit  $\approx$  1,000 Sandbags.
- ▶ **Surface Compatibility:** Effective on asphalt, concrete, and relatively level compacted ground.
- ▶ **Cleaning:** Wash with clean water and mild detergent after use.
- ▶ **Stacking:** Designed to nest tightly to minimize warehouse footprint and maximize transportation efficiency.
- ▶ **Deployment Speed:** Rapid (can be installed by a single person).
- ▶ **Stability Factor:** Stability increases proportionally with water height (Rising water level = Higher downward pressure).
- ▶ **Drying:** Ensure units are dry before stacking to prevent mold/odor.