Wellguarding® 威佳

Flood control product manual

Professional flood control facility manufacturer



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Combined water retaining plate

The portable combined flood prevention board is a flood prevention artifact specially designed for protecting cities from instantaneous rainstorms and flooding. It is a temporary flood prevention board that can stand on its own. The water's own pressure presses the flood prevention board to the ground, thereby increasing its friction with the ground and making it more stable. It is suitable for relatively flat ground, such as asphalt roads or concrete floors in cities. As long as you prepare the flood prevention board in advance and do a good job of risk control, you can keep your property safe at any time.

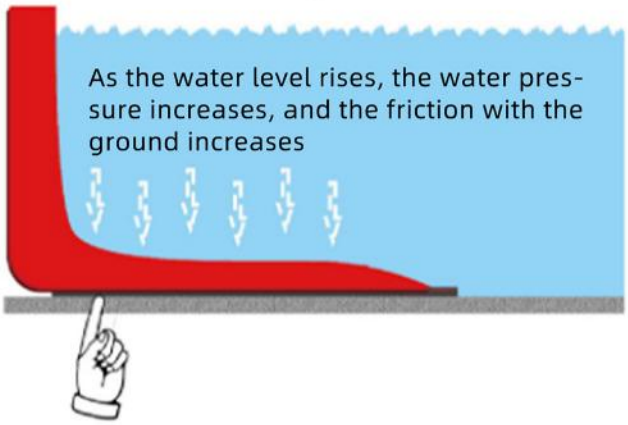


working principle



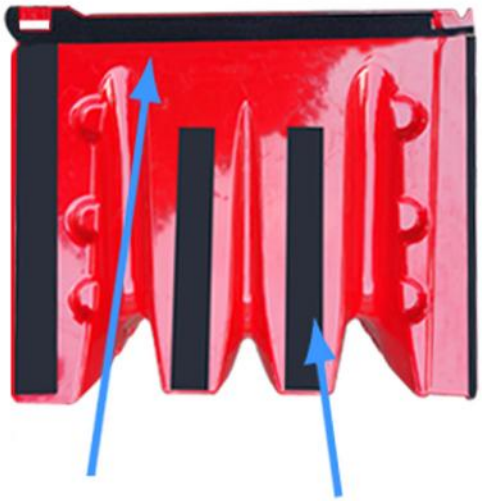
L-shaped bookend princip

The weight of the water presses on the bottom of the baffle, converting the weight into pressure. Even if the flood reaches the top of the baffle, it is still very stable and will not fall over. The higher the water level, the more reliable the water-retaining effect.



Memory fit material

The water-locking function of the water-blocking strip at the bottom of the flood-proof board can prevent water seepage, and the anti-slip



installation method

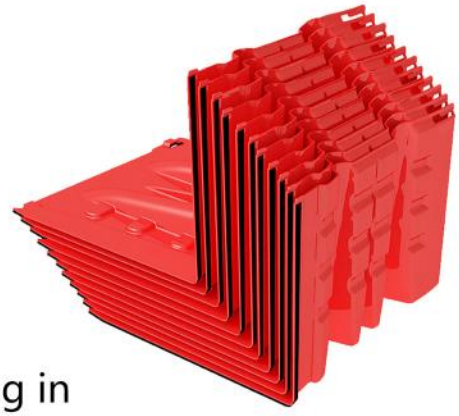


Install the flood protection board from left to right, insert the connecting mechanism first, then buckle the locking mechanism. If you need to adjust the angle, you can use the locking mechanism to fine-tune the placement angle by ±3°.

Bending plate application



Baffle Advantages



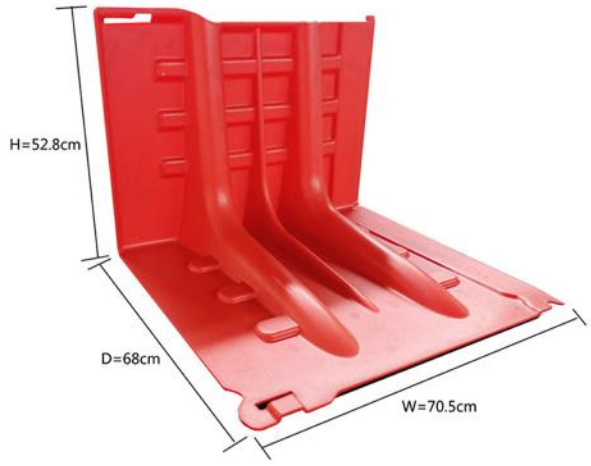
>Lightweight, easy and quick to install

>Stackable, easy to store and transport

>Reusable, long life, environmentally friendly

>Flexible and versatile combination, hot-selling in countries around the world, patents registered in many countries

Specifications of mainstream combined water retaining plates in the market



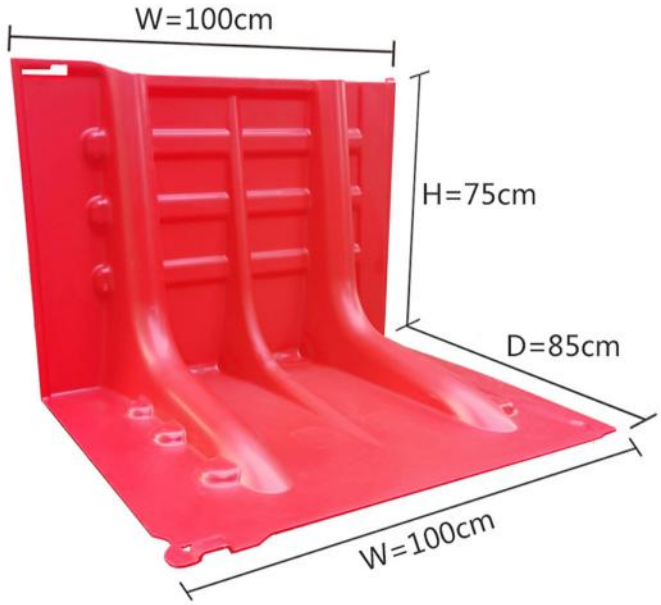
Flood protection height	50cm
size	70.5cm*68cm*52.8cm
The average thickness	5.1mm±5%
weight	4.1kg±5%/PCS
Material	Red ABS, surface anti-UV coating
Curvature	Adjustable about 3 degrees
Installation speed	One person installation, more than 10m/min
Warranty	3 years

WZ50 straight water retaining plate



Flood protection height	60cm
size	95cm*75cm*60cm
The average thickness	6.1mm±5%
weight	7.7kg±5%/PCS
Material	Red ABS, surface anti-UV coating
Curvature	Adjustable about 3 degrees
Installation speed	One person installation, more than 10m/min
Warranty	3 years

WZ60 straight water retaining plate

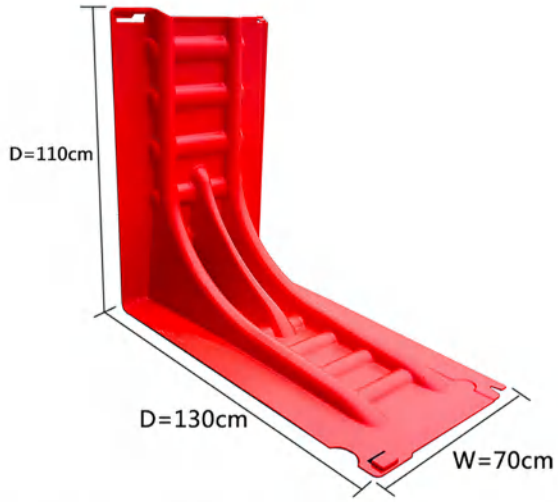


Flood protection height	75cm
size	100cm*85cm*75cm
The average thickness	5.1mm±5%
weight	9.6kg±5%/PCS
Material	Red ABS, surface anti-UV coating
Curvature	Adjustable about 3 degrees
Installation speed	One person installation, more than 10m/min
Warranty	3 years

WZ75 straight water retaining plate

110cm high combined water retaining board

With the change of global climate and the increase of extreme weather, urban waterlogging is becoming more and more frequent, and the height of urban waterlogging is getting higher and higher. The mainstream styles on the market can no longer prevent floods and resist floods. The company immediately developed a 110cm high combined flood prevention board. The product is thicker and higher to cope with more fierce floods, so as to achieve the great goal of flood prevention in accordance with the law, scientific flood prevention, and national flood prevention.



Flood protection height	110cm
size	130cm*70cm*110cm
The average thickness	6mm±5%
weight	13kg±5%/PCS
Material	Red ABS, surface anti-UV coating
Curvature	Adjustable about 3 degrees
Installation speed	One person installation, more than 2m/min
Warranty	3 years

WZ110 combined flood protection board

Products real shot









Telescopic combined water retaining plate

A new type of retractable and easy-to-install flood barrier, mainly made of high-strength carbon steel and thickened waterproof Oxford cloth. It is suitable for relatively flat ground as well as uneven ground, solving the requirements of plastic flood barriers on terrain, such as urban asphalt roads or uneven muddy ground. As long as you prepare flood barriers in advance and do a good job of wind control, you can keep your property safe at any time.

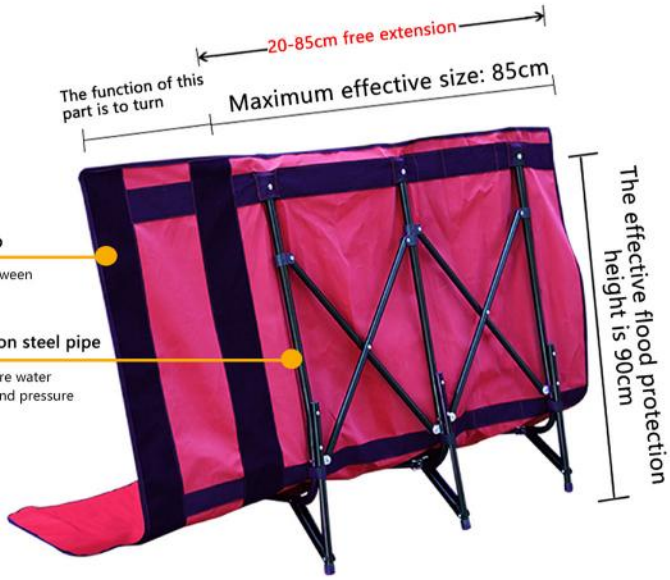


Flood protection height	**90cm**
Telescopic Width	15cm-130cm
weight	5.6kg
Main material 1	High strength carbon steel pipe
Main Material 2	PVC waterproof Oxford cloth
tensile strength	629MPa
Yield Strength	611MPa

Explore Products



Zoomed out, front view, rear view



Expanded rear view

installation method



Step 1: Place the water retaining plate in the same direction, with the left Velcro facing upwards



Step 2: Stick the two Velcro strips on the right side of No. ① water baffle to the two Velcro strips on the left side of No. ② water baffle.



Step 3: Turn over the outermost Velcro on the left sideof the No. 2 water baffle and stick it on the Velcro on the right side of the No. 1 water baffle to achieve a dual-energy sealing effect.



Step 4. Finally, connect the two water retaining plates together. If the Velcro is not tight enough, you can use your feet to help step on the Velcro to make it tighter.

Product advantages

>Lightweight, easy and quick to install

>Stackable, easy to store and transport

>Reusable, long life, environmentally friendly

>Flexible and changeable combination, suitable for flat ground and uneven ground





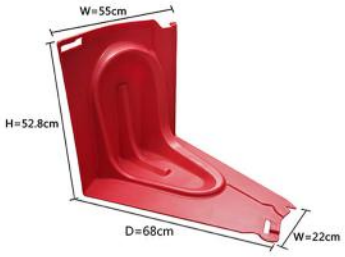




Overall specifications and dimensions



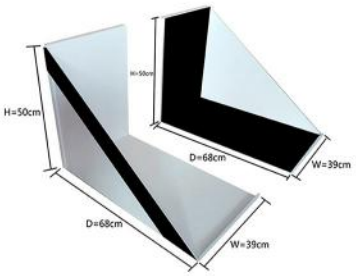
WZ50 straight water retaining plate



NW50 inner curved water retaining plate



WW50 outer curved water retaining plate



50cm high ABS edge banding board



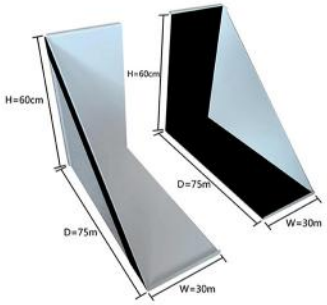
WZ60 straight water retaining plate



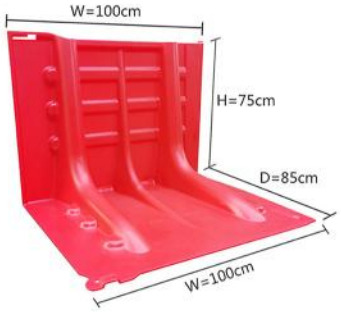
NW60 inner curved water retaining plate



WW60 outer curved water retaining plate



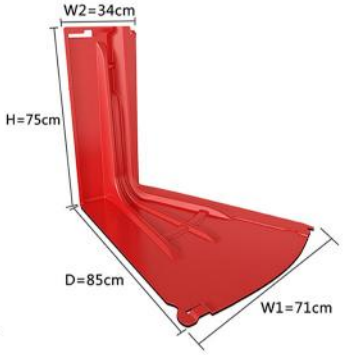
60cm high ABS edge banding board



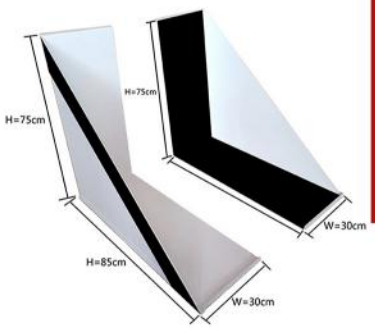
WZ75 straight water retaining plate



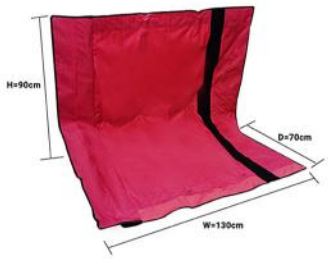
NW75 inner curved water retaining plate



WW75 outer curved water retaining plate



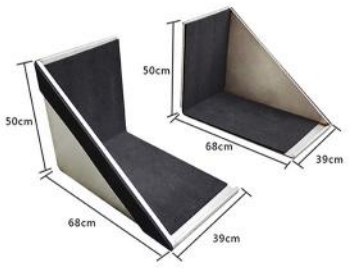
75cm high ABS edge banding board



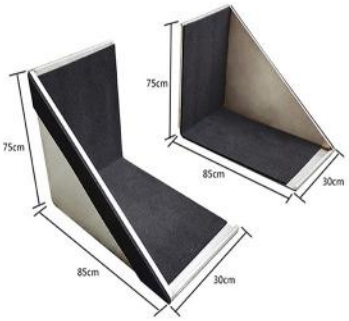
FH90-L telescopic water retaining plate front



FH90-L telescopic water retaining plate - back



50cm high stainless steel edge banding



75cm high stainless steel edge banding

Prefabricated slab dam flood control sub-embankment

product description:

Prefabricated slab dam flood control embankment can be quickly overlapped on the top of the embankment to form a flood control embankment when the water level rises and there is a possibility of overflowing the embankment. Zidi is assembled from multiple units; Each unit includes two parts: a folding water blocking panel and a foldable support angle frame. After each group of units is assembled, they are connected to each other through rib plates and fasteners to form a complete embankment. The bottom of the panel is equipped with positioning and fixing piles, which can fix the sub embankment on the top of the embankment.





Product Usage:

It is mainly used for emergency flood prevention of soft embankments such as sandy loam, loam, clay, concrete, asphalt, etc. It can protect embankments and dams from overflowing waves and dangers, and prevent flooding disasters caused by the rapid rise of river water levels and exceeding the embankment top elevation due to low embankment flood control standards or super-standard floods; and prevent local embankment sections from being overrun by strong winds and waves during high water levels during the flood season.







Product features:

The thinking mode of assembled plate dam flood control sub-embankment abandons the traditional embankment materials and processes, and is a new, fast, cheap, and environmentally friendly disaster prevention and mitigation equipment. It has the characteristics of water-based water control and fast; flexible dam assembly and strong adaptability; easy storage and transportation, low cost; recycling and reuse, green and environmentally friendly.







Technical specifications:

Sub embankment size: 1.3m * 10m
Safety factor: 2.0-3.35k
Zidi unit width: 1.0m
Design wind speed: 6.0m/s
Applicable embankment materials: sandy loam, loam, clay, concrete, asphalt

Design river width/wave height: 4km/0.3m
Embankment height: 1.30/1.35m
Water blocking height: 1.0m
Net weight of product: 255kg
Original embankment top width: over 4.0m

Product gross weight: 298kg
Construction speed: 100 people/km in 60 minutes

Use Cases











Cooperative units

成都地铁 CHENGDU METRO

郑州地铁 ZHENGZHOU METRO

宁波轨道交通 Ningbo Rail Transit

绍兴地铁 Shaoxing Metro

重庆轨道交通

广州地铁 Guangzhou Metro

国家电网 STATE GRID

CHNT 正泰电器

Longfor 龙湖物业

西安地铁 XI'AN METRO

Gemdale 金地物业

MASERATI

Xietongmen County Water Conservancy Bureau

Hangzhou Gongshu District Emergency Materials Warehouse

Longhu Power Supply Bureau, Shantou City, Guangdong Province

China University of Petroleum

Shantou Power Supply Bureau Substation Management Office

Shantou Power Supply Bureau Substation Management Office

Honesty strives for the world, quality wins the hearts of customers