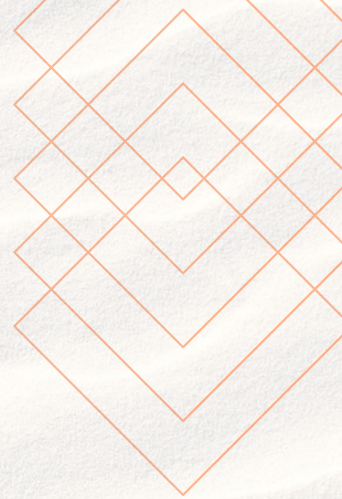




# WAVEPLUS PRODUCTS





# About Skytech Engineering

Skytech Engineering is a solutions provider specializing in environmental protection, sustainability, and innovative product development. Operating under the brand name WavePlus, we are committed to delivering high-quality coastal, marine, and eco-engineering products tailored to meet the evolving needs of industries, governments, and communities worldwide.

Based in the UAE, US, and Sri Lanka, our company proudly supplies a diverse range of advanced environmental solutions to clients across the Middle East, Asia, Europe, Australia, and the Americas.

Skytech Engineering is **ISO 9001:2015** certified by TÜV Nord, reflecting our commitment to quality, efficiency, and customer satisfaction.

We can also manufacture our products to meet any required standards, including **DOT** and other project-specific specifications.



## Our Brands



Dedicated to serving the marine, coastal protection, and environmental engineering sectors. Our solutions are designed to address water-related challenges with durability, safety, and global compliance.



focuses on sustainable solutions for the horticulture, aquaculture, and urban greening industries. With a commitment to eco-friendly innovation and supports greener cities.

### Our Vision

**To become the most preferred and inspired solution provider to protect the environment for the present and future generations by supporting innovative environmental protective products and services.**

### Our Mission

**To continuously develop and supply innovative environmental protective products and services at the highest quality standards and at competitive prices to conserve and restore the natural ecosystem.**

# WAVEPLUS GEO BAGS

WavePlus Geo Bags are high-performance geotextile containers designed for a wide range of hydraulic and environmental applications from coastal erosion control and shoreline protection to flood defense and embankment reinforcement.

These bags are engineered to endure extreme weather, strong currents, and heavy sunlight. With a large filling capacity and high tensile strength, WavePlus Geo Bags offer a durable, eco-friendly, and cost-effective solution for both marine and inland water management projects.



## Why Choose WavePlus?

- Best quality materials
- Fully customizable solutions
- Fast production & delivery
- Trusted by clients worldwide

## Applications

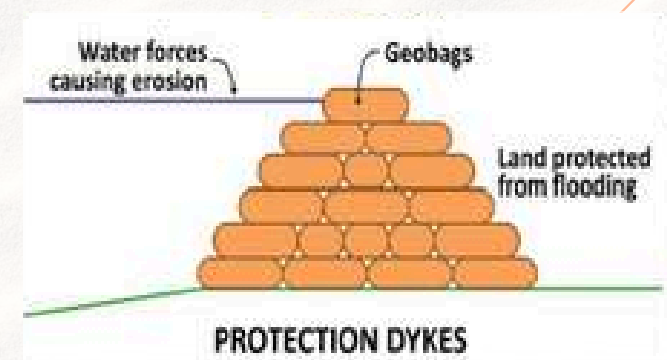
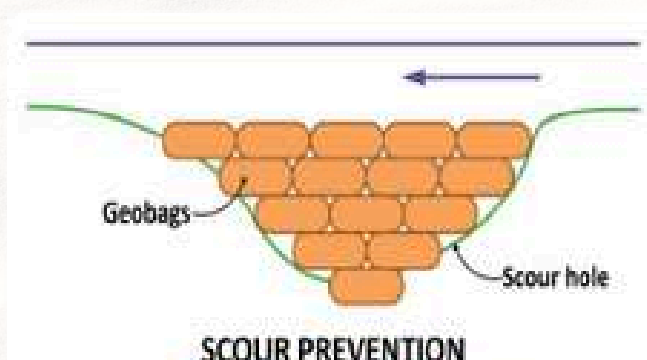
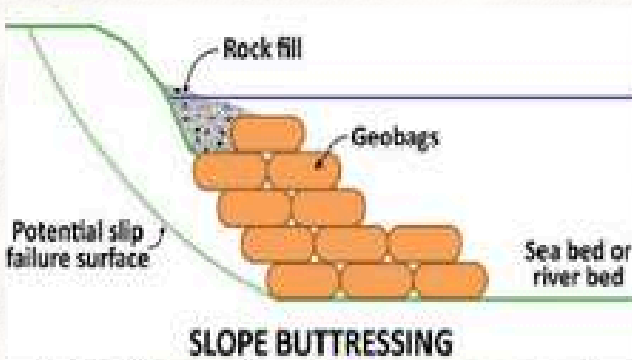
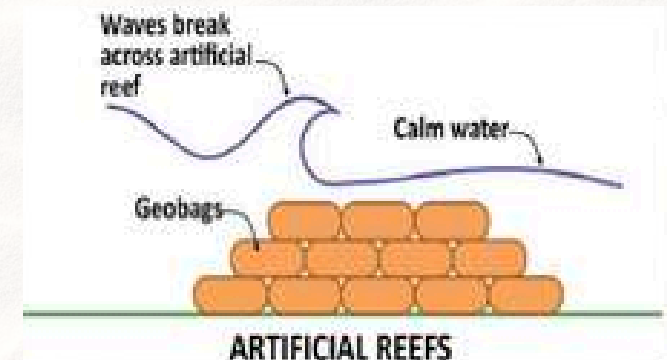
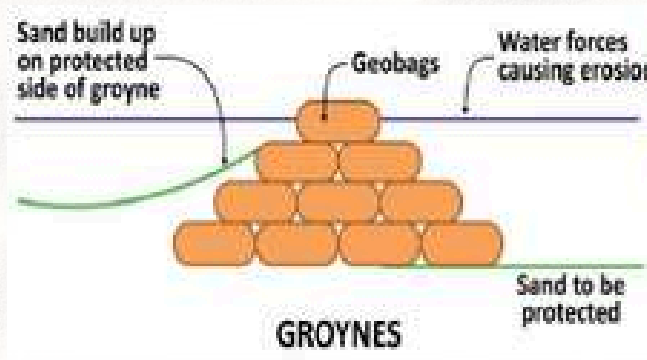
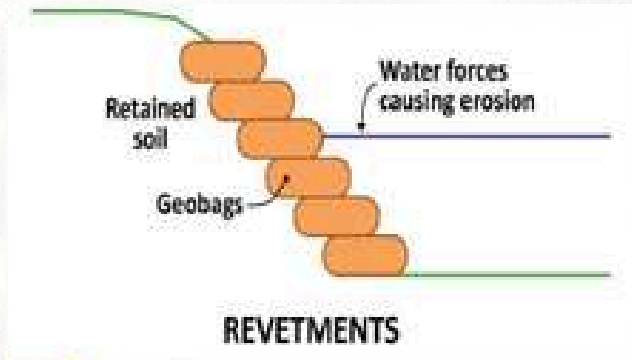
- Riverbank and canal lining
- Coastal erosion control
- Slopes stabilization
- Flood protection
- Scour Protection

## Key Features

- Eco-Friendly
- Enhanced Strength & Durability
- High Wave Resistance
- Secure & Stable
- Optimal Ground Friction
- Simple Bag Closing System



Specifications			
<b>Model</b>	<b>WavePlus 201</b>	<b>WavePlus 215</b>	<b>WavePlus 302</b>
<b>Dimensions (LXW)</b>	200cm x 100cm	200cm x 150cm	300cm x 200cm
<b>Fabric</b>	1000gsm UV Stabilized Non-woven PP Fabric with an average tensile strength of 80kN/m (ISO 10319)		
<b>Bag Closing</b>	Lace Closing		



# WAVEPLUS BOX BAGS

WavePlus Box Bags are engineered geosynthetic solutions designed for coastal, marine, and environmental protection projects. Built for high-capacity containment and **durability**, they are ideal for shoreline protection, erosion control, dredging support, and emergency works.

With customizable sizes and fabrics, WavePlus Box Bags provide contractors with efficient, reliable, and site-ready solutions for challenging marine and coastal environments.



## Applications

- Shoreline and coastal protection
- Dredging support
- Temporary barriers
- Flood control or silt containment



## Technical Specifications

<b>Product</b>	<b>WavePlus Box Bag</b>
<b>Material Options</b>	PP (Polypropylene) PET (Polyethylene Terephthalate)
<b>Material Type</b>	Woven
<b>Tensile Strength (kN/m)</b>	PP: 105, 200 (105-200 kN/m) PET: 100, 150, 200 (100-200 kN/m)
<b>Sizes (L × W × H)</b>	1 - 5 m (length), 1 - 5 m (width), 0.5 - 2.5 m (height) - customizable
<b>Capacity</b>	500 - 5000 kg (depending on)
<b>Key Features</b>	High tensile strength UV & saltwater resistant



# WAVEPLUS GEO TUBES

WavePlus Geo Tubes are manufactured with high-performance PP/PET geotextile material for a wide range of hydraulic and environmental applications. Designed to control erosion, reclaim land and sediment control.

Whether used for shoreline reinforcement, Breakwater or sludge dewatering, WavePlus Geo Tubes provide exceptional strength, filtration efficiency, and long-term durability.



## Applications

- Coastal protection
- Dewatering of sludge and waste
- Land reclamation and breakwater
- Wetland and habitat restoration
- Flood control
- Industrial and mining sites



1. Geo tube Positioning



2. Slurry Filling



3. Sediment Settlement & Drainage



4. Completion



Properties	Test Method	Units	HT 100x100	HT 200x200
Strength @ Ultimate (MD)	ISO 10319	kN/m	100	200
Strength @ Ultimate (CD)	ISO 10319	kN/m	100	200
Elongation (MD/CD)	ISO 10319	%	10±1/8±1	12±1/8±1
CBR Puncture	ISO 12236	kN	13	22
Pore Open Size O90	ASTM D4751	mm	0.45	0.40
Water Flow Rate	ISO 11058	l/m <sup>2</sup> /s	15-20	15
UV Resistance at 500 hours	ASTM D 4355	% retained	85	85
Factory Seam Strength on Cir.	ISO 10321	kN/m	70	170
Color	Black			

# WAVEPLUS SILT CURTAINS

WavePlus Silt Curtains are engineered turbidity barriers designed to contain and control the dispersion of suspended sediments in aquatic environments during dredging, reclamation, marine construction, and shoreline protection activities.

Constructed with high-strength permeable or impermeable geotextile fabrics, and supported by robust flotation and ballast systems, our silt curtains effectively isolate work zones, ensuring compliance with environmental regulations and minimizing impact on surrounding ecosystems.

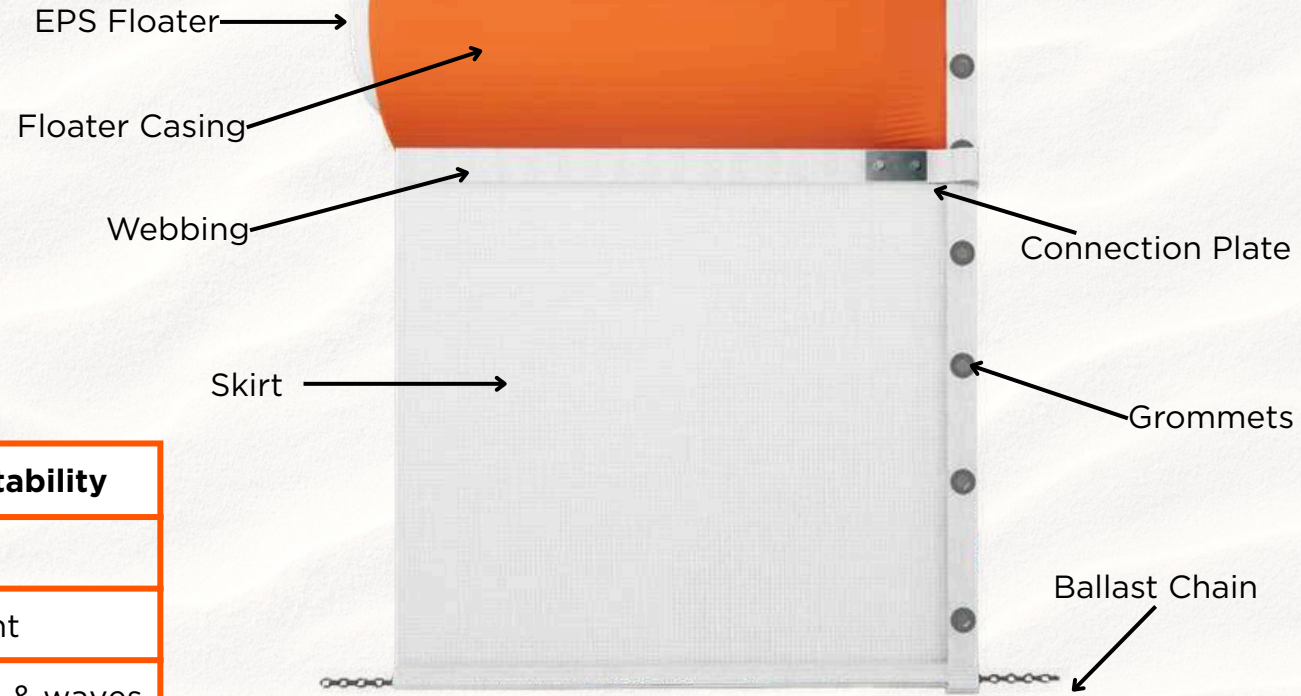


## Key Applications

- Dredging operations
- Marine and coastal construction
- Shoreline and riverbank stabilization projects
- Bridge and pier construction
- Environmental restoration projects

## Product Features

- High-strength geotextile fabric (permeable or impermeable)
- Durable flotation system with UV-resistant materials
- Galvanized steel ballast chain for effective anchoring
- Modular panels for ease of transport and installation
- Customizable depths and skirt lengths



Type	Application Condition	Flow Rate Suitability
Type I	Calm water (ponds, lakes)	Low current
Type II	Moderate flow (rivers, harbors)	Medium current
Type III	Open water / offshore	Strong current & waves

Model	WavePlus SC Type 1		WavePlus SC Type 2		WavePlus SC Type 3			
<b>Floater Size</b>	150mmx750		200mmx750	250mmx750	250mm	300mm		
<b>Floater casing</b>	610gsm UV stabilized PVC coated - Orange colour				1100gsm UV stabilized PVC coated - Orange colour			
<b>Skirt</b>	1m-6m		2m-4m	4-8m	up to 4m	4m-6m	5m-20m	8m-20m
<b>Skirt material</b>	21.5kN/m Non-Woven Polypropylene	100/100kN/m Woven Polyester	100/100kN/m Woven polyester	150/150kN/m Woven polyester	200/200kN/m Woven polyester			
<b>Ballast Chain</b>	6mm HDG (G43)		6mm HDG (G43)	8mm HDG (G43)	10mm HDG (G43)	12mm HDG (G43)		

# WAVEPLUS OIL BOOMS

WavePlus Oil Booms are specially engineered for effective and reliable containment of oil spills, fuel leaks, and other hazardous liquid discharges in marine and industrial environments. Crafted from high-strength, UV-resistant materials, these oil spill booms ensure superior performance and long-lasting durability, even in harsh weather conditions.

By providing robust protection for the environment, project sites, and coastal areas, WavePlus Oil Booms play a critical role in marine oil spill response and containment operations worldwide.



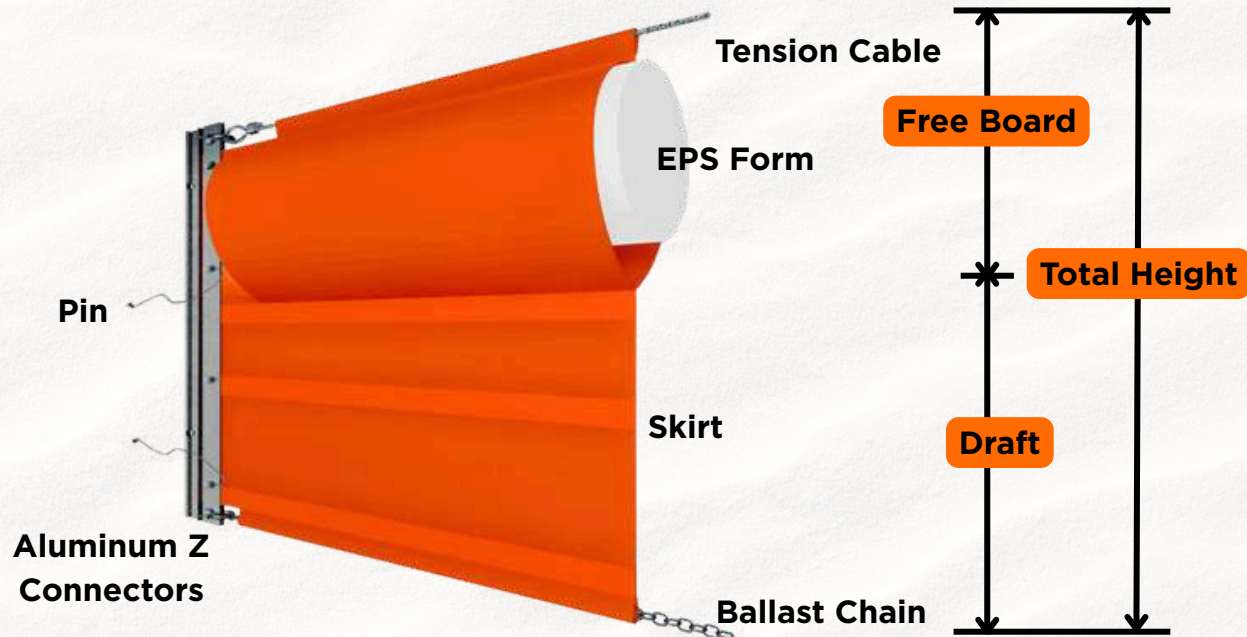
## Applications

- Offshore oil rigs and platforms
- Ports and harbors
- Marine spills in rivers and lakes
- Environmental restoration projects

## Key Features

- UV and chemical-resistant materials for long-lasting performance.
- Customizable lengths and sizes to fit project needs.
- Quick and easy deployment and retrieval.
- Suitable for various water conditions with adjustable floatation and ballast options.





Model	Boom 450	Boom 610	Boom 750	Boom 900
<b>Application</b>	Calm Waters	Ports/Harbors	Nearshore	Offshore/Heavy Duty
<b>Fabric</b>	610gsm UV Stabilized PVC Coated- Orange			1100gsm UV Stabilized PVC Coated- Orange
<b>Freeboard</b>	200mm	200mm	250mm	300mm
<b>Draft</b>	300mm	450 MM	510mm	600mm
<b>Total Height</b>	450mm	610mm	760mm	900mm
<b>Floated Diameter</b>	150mm	150mm	200mm	250mm
<b>Floater material</b>	EPS Form			
<b>Connectors</b>	Aluminum Z Connectors fitted with stainless steel nuts , bolts and toggle pins			
<b>Ballast Chain-HDG (G43)</b>	6mm-0.78kg/m	8mm- 1.37kg/m		10mm
<b>Top Tension Cabel</b>	8mm HDG			

# WAVEPLUS BEACH SAFETY BOOMS



WavePlus Beach Safety Booms are expertly engineered to establish safe swimming zones, restrict boat access, and guide beachgoers within clearly designated areas. These beach safety booms provide reliable performance and long-term durability in coastal and marine environments.

WavePlus Beach Safety Booms play a crucial role in creating secure, structured environments for recreational water activities and beach management.

## Why WavePlus Beach Safety Booms?

- **Enhanced Swimmer Safety**

help to reduce the risk of swimmers being swept away by rip currents, ensuring a safe and enjoyable experience for everyone.

- **Effective Jellyfish Protection**

Acts as a safety net to prevent jellyfish and debris from entering swimming zones.

- **Continuous Floater Design**

Provides smooth, uninterrupted visibility and better boundary demarcation. Clearly separates safe zones from boats/Jetskis.

- **Innovative Geo Bag Anchoring**

Ensures firm, eco-friendly anchoring that minimizes seabed impact.

- **Safe & Reliable**

Protects swimmers without harming wildlife.



Click the YouTube Icon to  
Watch WavePlus Beach Safety Booms



## Key Applications

- **Beaches**

Safe swimming zones for all visitors

- **Resorts & Water Parks**

Protects and enhances guest experience

- **Restricted Boating Areas**

Clearly marks no-entry zones

- **Safety Demarcation**

Defines boundaries for swimmers and water activities



## Key Features

- **High-Visibility Floats & Knotless Netting**

Bright floaters above water and strong netting below for reliable protection.

- **Durable Materials**

Built to withstand harsh marine conditions.

- **Customizable**

Adaptable to different beach layouts and requirements.

- **Easy Deployment & Maintenance**

Quick and hassle-free setup and easy to maintain.

- **Innovative Geo Bag Anchoring**

Ensures firm, swimmer-friendly anchoring

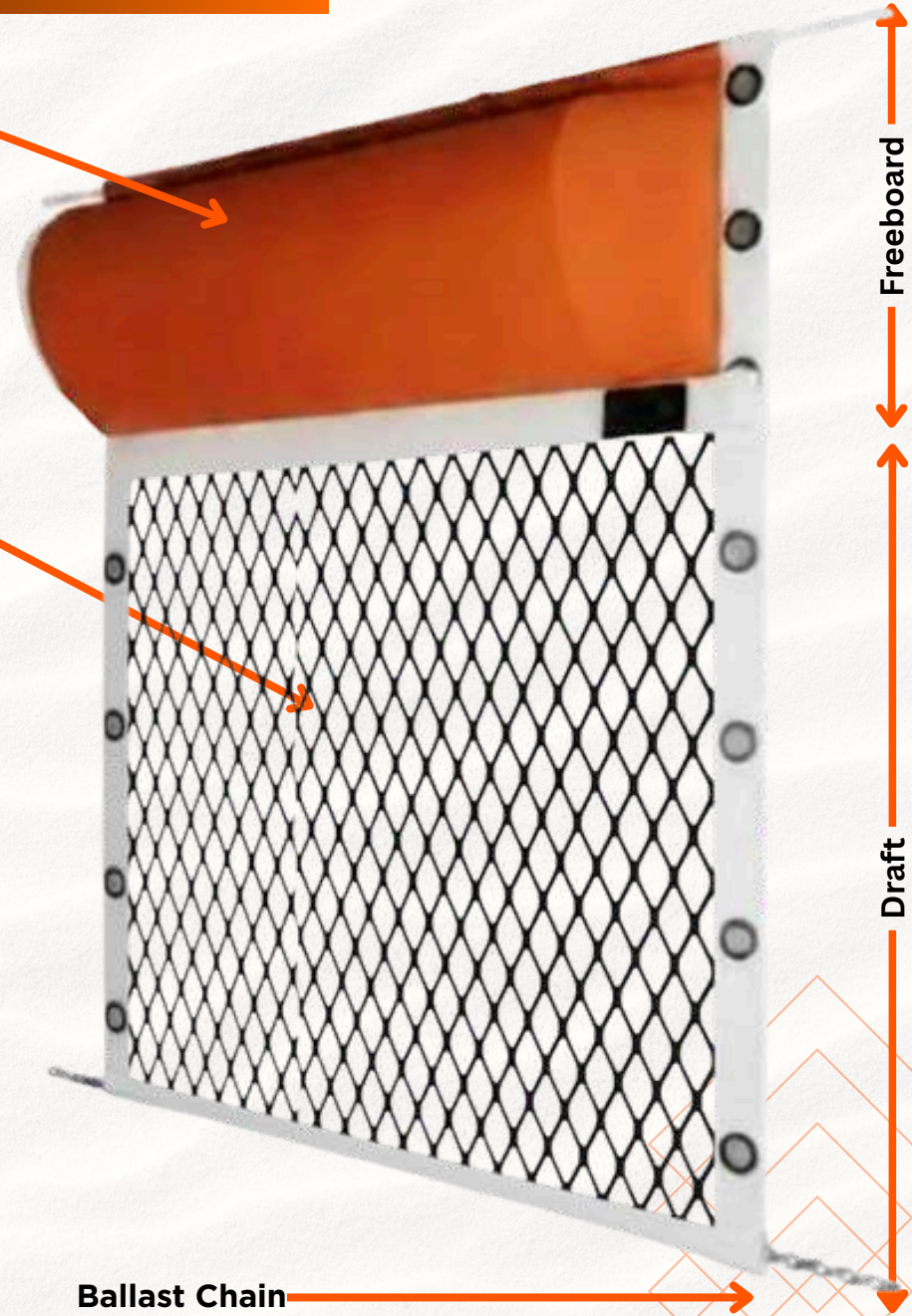
Ballast Chain

# Technical Specifications



Floater Casing

Draft Material



Model	WavePlus Beach Safety Booms
Floater Casing	1100 GSM, UV Stabilized, PVC Coated, Tarpuline-Orange
Freeboard	350mm
Draft Material	Virgin Quality high tenacity HDPE knotless net with opening of 25mmx25mm
Draft	2m-5m
Floater Diameter	300mm
Anchoring	Geo Bag Anchoring

# WAVEPLUS TRASH BOOMS



WavePlus Trash Booms are designed to contain and control floating debris, plastics, vegetation, and solid waste in water bodies.

These surface barriers are ideal for preventing the spread of waste in rivers, lakes, canals, reservoirs, and coastal zones protecting infrastructure, aquatic ecosystems, and public health.

## Why WavePlus Trash Booms?

- **Continuous floating** design ensures no gaps for waste to escape.
- **Strong knotless netting** stops debris from passing underneath.
- **High strength and stability** even in flowing or heavy-loaded water.
- **Easy to install and maintain**, with modular sections.
- **Custom-made** to suit canals, rivers, lakes, and harbours.
- Built for long-term use with **durable marine-grade materials**.
- A **proven solution** for clean and safe waterways.

## Key Applications

- Canals and rivers
- Lakes and reservoirs
- Harbours and ports
- Stormwater outlets
- Industrial and construction sites

Click the YouTube Icon to Watch  
WavePlus Trash Booms

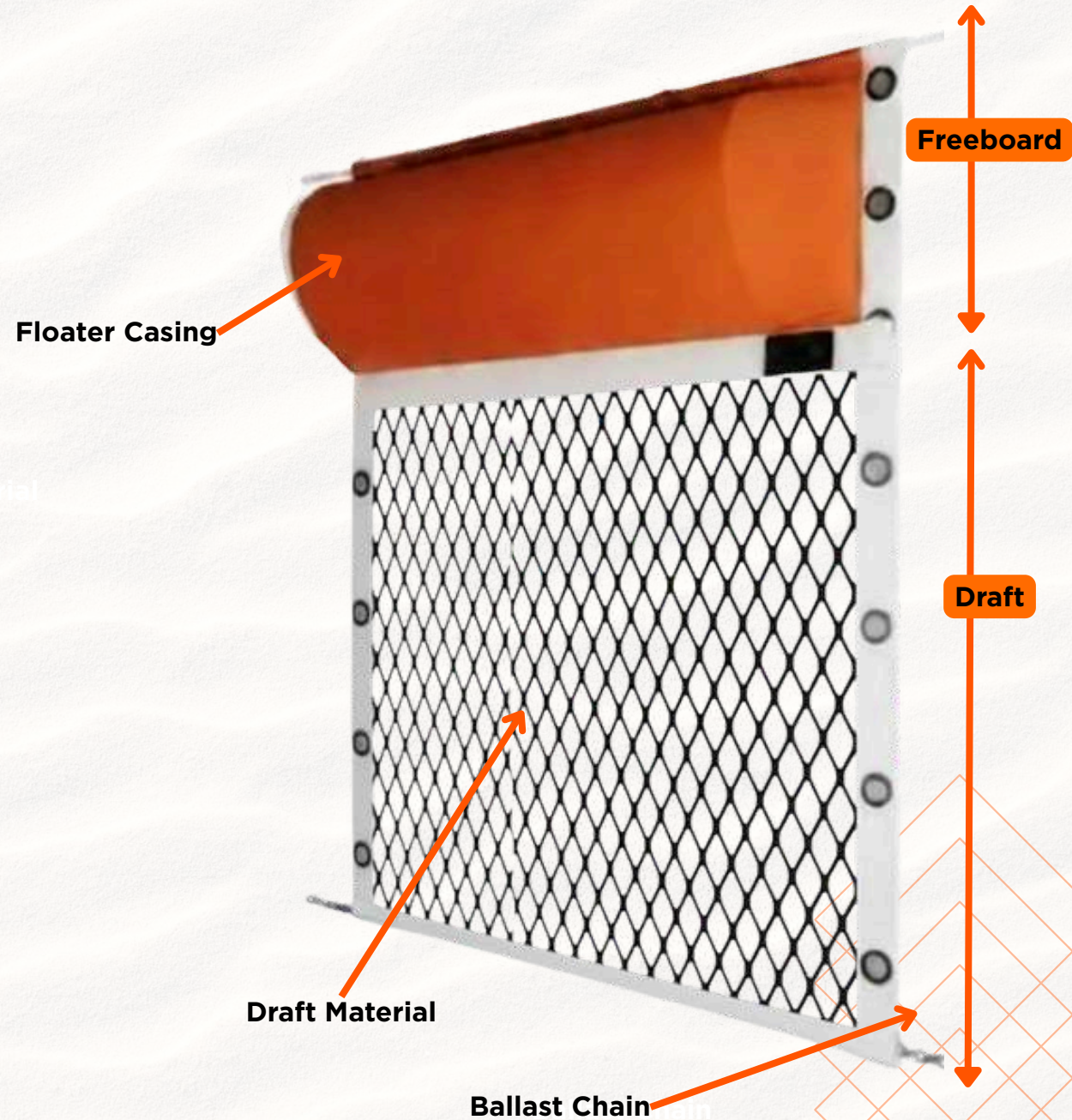


### Key Features

- High-visibility float line for safety
- Robust net barrier under water
- Corrosion and UV-resistant materials
- Modular sections for flexibility
- Reliable connectors for stability

### Technical Specifications

Model	WavePlus Trash Booms
<b>Floater Casing</b>	1100 GSM, UV Stabilized, PVC Coated, Tarpuline-Orange
<b>Freeboard</b>	350mm
<b>Draft Material</b>	Virgin Quality high tenacity HDPE knotless net with opening of 25mmx25mm
<b>Draft</b>	2M-5M
<b>Floater Diameter</b>	300mm
<b>Ballast Chain</b>	8mm





# LET'S DISCUSS YOUR PROJECT!

## Registered Office & Factory (Sri Lanka)

SkyTech Engineering (Pvt) Ltd  
#23, First Lane, off Templars Road, Mt.  
Lavinia, Sri Lanka  
Phone: +94 70 100 2222 | +94 70 100 2228

## Global Marketing Office (Dubai, UAE)

SkyTech Engineering L.L.C-FZ  
Business Center 1, M Floor, The Meydan  
Hotel, Nad Al Sheba, Dubai, UAE  
Phone: +971 52 38 444 52 | +971 55 571 1096

## Global Marketing Office (Texas, USA)

Dallas, TX USA  
Phone: +214-830-2575



Email: [info@skytechwaters.com](mailto:info@skytechwaters.com)

Customizable

Best Quality

Lowest Price

Reliable