

EMPTEEZY[®]
working for the environment

CONTAINMENT BOOMS





EMPTEEZY > INTRODUCTION

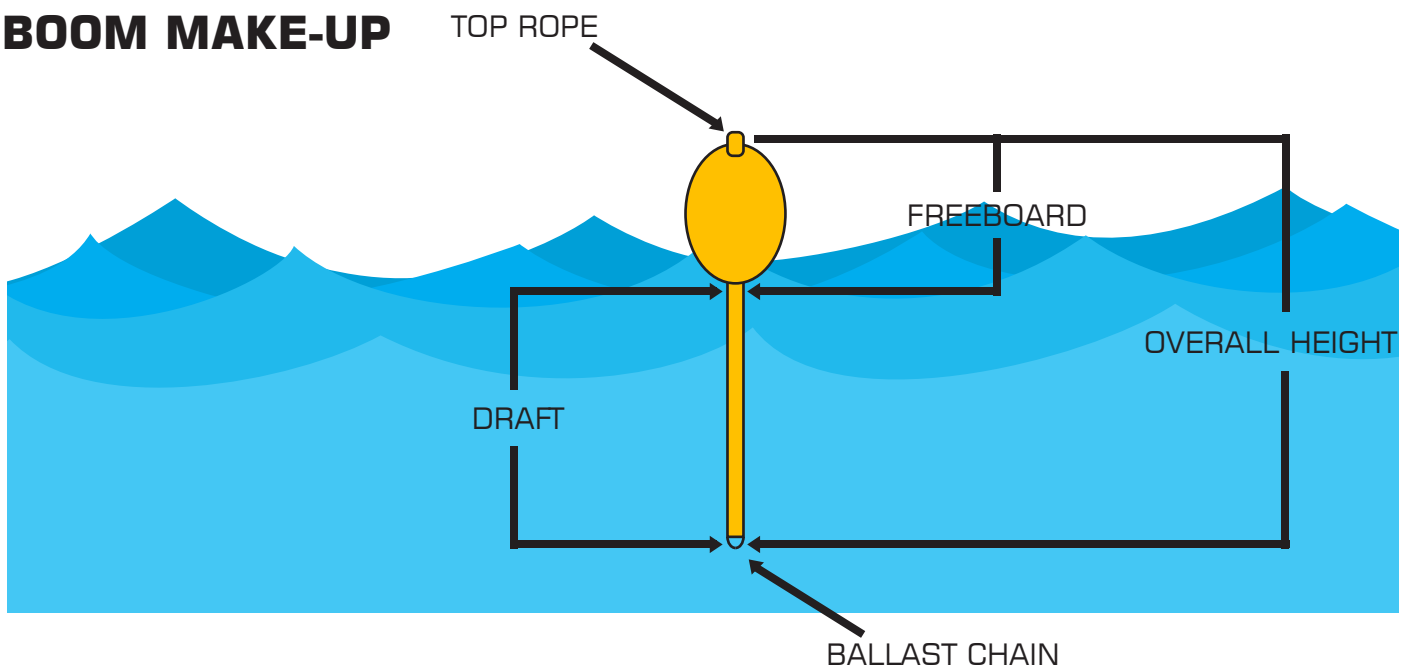
The Empteezy® Group has 5 production sites in Western Europe producing a comprehensive range of quality engineered spill containment, spill response and decontamination products.



As an ISO 9001, 14001 & OHSAS18001 accredited manufacturing group we have always been well respected for our comprehensive range of spill containment and spill response products, which now includes containment booms which we manufacture in one of our own Western European facility to give us full control over quality and speed of response to urgent demands for stock.

Customer satisfaction is of paramount importance to us, which is why we aim to provide a complete service and develop long term relations, and we will always work with you to resolve any issues that are encountered in a timely and professional manner.

BOOM MAKE-UP





BOOM TYPES AND APPLICATIONS

BOOM TYPE	APPLICATION
FENCE	This oil and debris barrier is typically used for rapid deployment in protected waters such as rivers and inner harbours for surrounding vessels or protecting resources.
PERMANENT	Designed for permanent installations and minimum maintenance. This heavy-duty boom is capable of withstanding long-term deployment and the arduous conditions of permanent installations.
CURTAIN	Ideal for containing oil in sheltered waters and slight seas.
SILT	Contain sediment or silt when working on the banks of rivers or when dredging, excavating or piling in water.
AIR	Designed for compact storage and quick deployment which are important characteristics when dealing with spill response at sea.
SKIRTED	Use in shallow waters or where containment has to start on shore (from a beach).

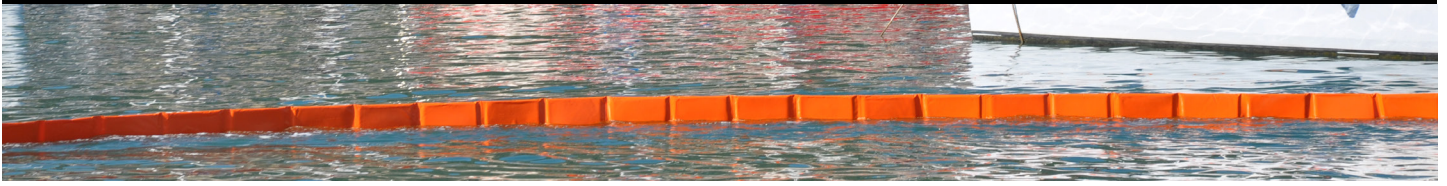
BOOM REQUIREMENT DEPENDENT ON THE WATER SPEED

CURRENT SPEED IN KNOTS	BOOM TO BANK ANGLE	LENGTH OF BOOM IN RELATION TO WIDTH OF RIVER
0.7	90°	1 times
1	45°	1.4 times
1.5	30°	2 times
2	20°	3 times
2.5	16°	3.5 times
3	15°	4.3 times
3.5	11°	5 times
4	10°	5.7 times
4.5	8°	7 times





> FENCE BOOMS



Available in 2 standard sizes and custom dimensions to order fence booms are lightweight and easy to use making them ideal for deploying from a reel, and they take up very little space when stored or transported to a new location. Fence booms are not recommended for towing or sweeping at sea.

Note - Freeboard is the vertical height of the product above the water and draft is the depth of the product below the water



	FB450	FB650
Freeboard	150mm	250mm
Draft	300mm	400mm
Overall	450mm	650mm
Section length	25m	25m
Buoyancy to weight	2:1	2:1
Weight	2kg per metre	3.1kg per metre
Packaging volume	0.35m ³ per 25m	0.6m ³ per 25m
Ballast	6mm hot dipped galvanised steel chain	8mm hot dipped galvanised steel chain
Breaking strength	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)
Operational temperature	0°C to +80°C	0°C to +80°C
Fabric	900-1300gsm woven polyester scrim coated PVC	900-1300gsm woven polyester scrim coated PVC
Colour	Orange	Orange
Connection	Standard ASTM or optional Norway	Standard ASTM or optional Norway



> PERMENANT BOOMS



Available in 2 standard size and custom dimensions to order permanent booms are suitable for long term deployment because they are robust and hard wearing. Floatation is provided by rigid foam filled floats which are bolted to the skirt which is naturally rigid helping it stay upright in the water. Ballast is provided by a metal chain attached to the bottom edge.

Note - Freeboard is the vertical height of the product above the water and draft is the depth of the product below the water.



	PB600	PB850
Freeboard	200mm	300mm
Draft	400mm	550mm
Overall	600mm	850mm
Section length	15m or 25m	15m & 25m
Buoyancy to weight	5:1	5 :1
Weight	7.2kg per metre	7.6kg per metre
Packaging volume	1.53m ³ per 25m	1.53m ³ per 25m
Ballast	8mm hot dip galvanised steel chain	8mm hot dip galvanised steel chain
Breaking strength	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)	ASTM D 5035 (length wise & width wise 300kgf/5cm)
Operational temperature	0°C to +80°C	0°C to +80°C
Fabric	NR rubber >5mm or PVC 1800gsm	NR rubber >5mm or PVC 1800gsm
Colour	Orange with black floats	Orange with black floats
Connection	Standard ASTM or optional Norway	Standard ASTM or optional Norway



> CURTAIN BOOMS



Available in standard sizes and custom dimensions to order curtain booms have a high buoyancy to weight ratio and a good response to wave action making them useful in inland or sheltered water such as within a harbour. They have excellent UV resistance and chemical resistance to acids, alkalis, solvents and hydrocarbons. We can also manufacture in different material types (PU and Neoprene) please contact us to discuss your application.

Note - Freeboard is the vertical height of the product above the water and draft is the depth of the product below the water



	CB450	CB650	CB900
Freeboard	150mm	250mm	300mm
Draft	300mm	400mm	600mm
Overall	450mm	650mm	900mm
Section length	25m	25m	25m
Buoyancy to weight	6:1	6:1	6:1
Weight	2.5kg per metre	2.6kg per metre	5.4kg per metre
Packaging volume	0.9m ³ per 25m	1,53m ³ per 25m	2m ³ per 25m
Ballast	8mm hot dip galvanised steel chain	8mm hot dip galvanised steel chain	10mm hot dip galvanised steel chain
Breaking strength	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)	ASTM D 5035 (length wise & width wise 300kgf/5cm)	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)
Operational temperature	0°C to +80°C	0°C to +80°C	0°C to +80°C
Fabric	900-1300gsm woven polyester scrim coated PVC	900-1300 gsm woven polyester scrim coated with PVC	900-1300gsm woven polyester scrim coated PVC
Colour	Orange	Orange or yellow	Orange
Connection	Standard ASTM or optional Norway	Standard ASTM or optional Norway	Standard ASTM or optional Norway



> SILT BOOM

Available in 3 standard sizes and custom dimensions to order silt boom are designed to prevent silt contamination of waterways caused by manmade or natural erosion, these fast to assemble and deploy booms are ideal for sheltered and inland waters.

Note - Freeboard is the vertical height of the product above the water and draft is the depth of the product below the water



	SB450 (CB450 + Geotextile)	SB650 (CB650 + geotextile)	SB900 (CB900 + geotextile)
Freeboard	150mm	250mm	300mm
Draft	300mm PVC + geotextile 2500mm, 5000mm or custom size	400mm PVC + geotextile 2500mm, 5000mm or custom size	600mm PVC + geotextile 2500mm, 5000mm or custom size
Overall	2950mm or 5450mm	3150mm or 5650mm	3450mm or 5900mm
Section length	25m or custom length	25m or custom length	25m or custom length
Buoyancy to weight	4:1	4:1	4:1
Weight	2.2kg per m + geotextile	2.6kg per m + geotextile	5.4kg per m + geotextile
Packaging volume	0.55m ³ per 25m + geotextile	0.90m ³ per 25m + geotextile	1.20m ³ per 25m + geotextile
Ballast	8mm hot dip galvanised steel chain + 4mm chain for geotextile	8mm hot dip galvanised steel chain + 4mm chain for geotextile	10mm hot dip galvanised steel chain + 4mm chain for geotextile
Breaking strength	ASTM D 5035 (length wise & width wise 300kgf/5cm)	ASTM D 5035 (length wise & width wise 300kgf/5cm)	ASTM D 5035 (length wise & width wise 300kgf/5cm)
Operational temperature	0°C to +60°C	0°C to +60°C	0°C to +60°C
Fabric	900-1300 gsm woven polyester scrim coated with PVC	900-1300 gsm woven polyester scrim coated with PVC	900-1300 gsm woven polyester scrim coated with PVC
Colour	Orange or yellow	Orange or yellow	Orange or yellow
Connection	Boom - extruded aluminium ASTM 962 (standard 1500kg-f/5cm) Geotextile - Velcro	Boom - extruded aluminium ASTM 962 (standard 1500kg-f/5cm) Geotextile - Velcro	Boom - extruded aluminium ASTM 962 (standard 1500kg-f/5cm) Geotextile - Velcro



> ABSORBENT BOOMS WITH PVC SKITS

By deploying the boom with the absorbent facing the spill you can contain and absorb it or by deploying with the face of the boom away from the spill it will act as a containment boom, ideal for light debris or when you want to recover the spill mechanically.

These cost effective, light-weight booms come in 4 standard sizes each providing 10m of cover.

	ABPVC13-5
Freeboard	13cm
Draft	32cm
Overall	45cm
Section length	5m
Buoyancy to weight	4:1
Weight	1.8kg per metre
Ballast	5mm galvanised steel chain
Fabric	Skirt 600gsm PVC – Boom Polypropylene
Colour	Skirt Orange - Boom white
Boom	13cmØ x 5m
Absorbs	50ltr per boom 100ltr per pack of 2 booms
Connection	Boom fitted with eye rings – PVC skirt attached to boom with Velcro straps & Velcro to join sections together – ballast chains joined with small carabiners



	ABPVC13-10	ABPVC20-5	ABPVC20-10
Freeboard	13cm	20cm	20cm
Draft	32cm	30cm	30cm
Overall	45cm	50cm	50cm
Section length	10m	5m	10m
Buoyancy to weight	4:1	4:1	4:1
Weight	1.8kg per metre	2.3kg per metre	2.3kg per metre
Ballast	5mm galvanised steel chain	5mm galvanised steel chain	5mm galvanised steel chain
Fabric	Skirt 600gsm PVC – Boom Polypropylene	Skirt 600gsm PVC – Boom Polypropylene	Skirt 600gsm PVC – Boom Polypropylene
Colour	Skirt Orange - Boom white	Skirt Orange - Boom white	Skirt Orange - Boom white
Boom	13cmØ x 10m	20cmØ x 5m	20cmØ x 10m
Absorbs	100ltr per pack of 1 boom	131ltr per boom 262ltr per pack of 2 boom	262ltr per pack of 1 boom
Connection	Boom fitted with eye rings – PVC skirt attached to boom with Velcro straps & Velcro to join sections together – ballast chains joined with small carabiners	Boom fitted with eye rings – PVC skirt attached to boom with Velcro straps & Velcro to join sections together – ballast chains joined with small carabiners	Boom fitted with eye rings – PVC skirt attached to boom with Velcro straps & Velcro to join sections together – ballast chains joined with small carabiners



> AIR BOOM



Available in 2 standard sizes and custom dimensions to order air booms are typically deployed from response vessels where a foam filled boom would be too bulky, the reduced volume of an air filled boom is also an asset when they have to be transported to a new location and they are ideal for open water where the high buoyancy to weight ratio assists the performance in the waves. They have excellent UV resistance and chemical resistance to acids, alkalis, solvents and hydrocarbons.

Note - Freeboard is the vertical height of the product above the water and draft is the depth of the product below the water



	AB850	AB1200
Freeboard	300mm	500mm
Draft	550mm	700mm
Overall	850mm	1200mm
Section length	25m	25m
Buoyancy to weight	30:1	30:1
Weight	3.6kg per metre	5.7kg per metre
Packaging volume	0.70m ³ per 25m	1.40m ³ per 25m
Ballast	10mm hot dip galvanised steel chain	12mm hot dip galvanised chain
Breaking strength	ASTM D 5035 (length wise & width wise 300kgf/5cm)	ASTM D 5035 (lengthwise & width wise 300kgf/5cm)
Operational temperature	0°C to +80°C	0°C to +80°C
Fabric	900-1300 gsm woven polyester scrim coated with PVC	900-1300gsm woven polyester scrim coated PVC
Colour	Orange or yellow	Orange
Connection	Standard ASTM or optional Norway	Standard ASTM or optional Norway



> ACCESSORIES

To complement our range of containment booms we offer a range of accessories which includes storage and deployment devices, power packs, towing bridles and tide risers and UN approved overpacks for the safe storage and shipping of contaminated waste.

Please contact us to discuss your specific requirements



Boom Reel

Containment boom reels help make sure booms are ready for use and are ideal when you have multiple lengths of boom to deploy and recover.



Boom Reel



Storage container with deployment racking

Using standard 20ft or 40ft shipping containers as the base our storage containers with deployment racking made the transportation, deployment and recovery of containment booms fast, and efficient. We can supply new or used containers and paint and outfit them to suit your requirements.

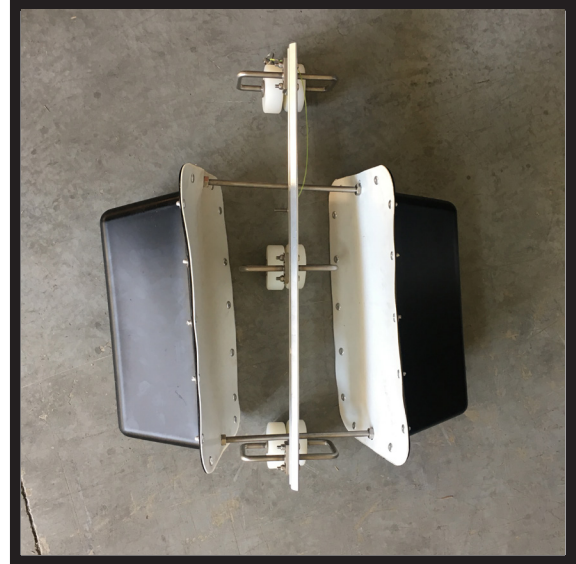


> ACCESSORIES



Diesel generators

Tried, tested and reliable diesel generators



Tide riser

Tide risers allow your boom to rise and fall with the tide ensuring the boom is effective at all times



Towing bridle

Keep containment boom upright when towing from one location to another



UN approved overpack

"X" rated UN approved overpacks with screw top or fastpack lids available in 3 sizes



ALSO AVAILABLE FROM EMPTEEZY®

**NEW FOLDING
DRAIN MAT
COVER**



**EMERGENCY TANK SHOWER
SELF-CONTAINED HEATED WATER
SUPPLY**



**IBC & DRUM
SPILL PALLETS
SECONDARY CONTAINMENT**

