



ELASTEC PermaFence

Containment Boom

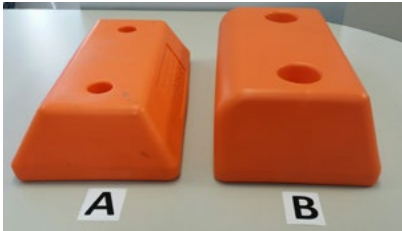
- Long Term Installation
- High Durability
- Oil, Plant and Debris Containment



Oil Spill Equipment | Floating Barriers | Incinerators



ELASTEC PermaFence boom is suited for installations containing or excluding oil or other floatsam such as trash or vegetation. The heavy duty construction is capable of withstanding long-term deployment supported by our wide range of installation accessories such as tidal compensator and anchors. The large HDPE floats are mounted on an algaecide treated PVC (or optional Urethane) belting along with ballast weights. The floats are mounted with only two stainless steel bolts and are easily removed for cleaning or replacement.



Our unique molded floats feature internal stiffeners that greatly enhance impact resistance while providing high buoyancy reserve. Foam filled for added security, these large floats offer 30% more buoyancy than industry standard. The boom can be shipped partially assembled to reduce shipping volume (up to 40%).

New larger floats increase buoyancy by 30%





Specification

Total Height:	18 in / .46 m	24 in / .61 m	36 in / .91 m
Freeboard*:	8 in / .2 m	10 in / .25 m	12 in / .3 m
Draft*:	10 in / .25 m	14 in / .36 m	24 in / .61 m
Weight:	5 lb/ft / 7.4 kg/m	5.6 lb/ft / 8.3 kg/m	6.9 lb/ft / 10.3 kg/m

*Freeboard and draft can be revised by altering float position.

Coated Fabric Properties

Applicable Standard

Standard Black PVC Belting in UV and Antimicrobial inhibitors (others on request - e.g. Urethane)	F715-07(2012) Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage
Ply: Woven Polyester	
Thickness: 0.195 inch / 5mm	
Coated weight: 180 oz/sq yard / 6100 gsm +/- 10%	
Tensile Strength: 2000 lb/ 8900 N	D751B 1 inch strip
Tear Resistance: 180 lbs / 801 N	D751
Low temp max: - 28 C / - 20F	D2136
High temp continuous max: 82 C / 180 F	D1204
Puncture Resistance: 250 lbs / 1112 N	Screwdriver test



Mechanical Properties

Construction	Elements bolted to belting with stainless steel hardware	
Floatation	High impact resistant foam filled HDPE floats - large volume rotational molded HDPE floats with UV inhibitor. Wall thickness nominally 5mm. Injection foam filled. Float dims 18 x 5.25 x 10 " / 457 x 133 x 254mm. Mounted with two bolts only for ease of replacement and removal (for decon)	
Number of floats / spacing	14 sets on 50ft, 28 sets on 100ft	
Buoyancy	B:W ratio 18 inch boom = 3.4 :1 B:W ratio for 24 inch boom = 3.1 : 1 B:W ratio for 36 inch boom = 2.5 : 1	
Connectors	ASTM compliant left handed Universal Slide fitted as standard, Z connector optional. Manufactured in 6061-T6 Aluminum alloy	F962-04(2010) F2438-04(2017)
Ballast	Galvanized weights. (Galvanized chain in fabric pocket optional)	
Anodes	1 plus year continuous service, KG3 Grade	
Toggle pins	1 toggle pin with spring and lanyard per connector	F2438-04
Handles	UV resistant webbing mounted along the boom	
Anchor points	Eye bolts fitted at section connectors	
Tensile strength testing	Destructive pull test. 9,170 lbs on 24 inch sample	F1093-99(2012)

Options and Accessories

Repair	Replacement floats, weights, connectors
Anchoring and mooring	Anchors - single / dual, tidal compensators, pile tether, pile slider
Customization	Light / radar reflectors size / section length / fabrics
Colors	Black belting with high visibility orange floats. Orange (urethane belt) optional
Marking	Silk screening
Packing	Boxes or crates. Boom can be partial (floats not mounted for approx 40% saving in shipping volume) or complete.

Other Standards and Federal Regulation

Other Applicable Standards	F2683-11(2017) Standard Guide for Selection of Booms for Oil-Spill Response F625/F625M-94(2017) Standard Practice for Classifying Water Bodies for Spill Control Systems F818-16 Standard Terminology Relating to Spill Response Booms and Barriers F1523-94(2013) Standard Guide for Selection of Booms in Accordance With Water Body Classifications F2084/F2084M-01(2012)e1 Standard Guide for Collecting Containment Boom Performance Data in Controlled Environments ISO 17325
Regulations Met	18 to 24 inch boom complies with United States Code of Federal Regulation (CFR) 33.Pt 154. App.C for Rivers and Canals, Inland and Great Lakes 18 - 24 inch boom conforms with ASTM standard F1523 for Calm Water
Quality Assurance	ISO 9001



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