



ELASTEC  
**PermaFence**  
Containment Boom

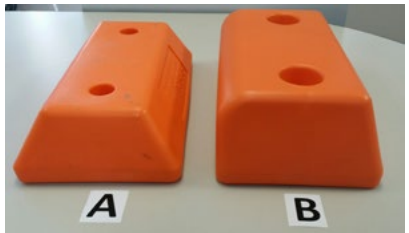
- Long Term Installation
- High Durability
- Oil, Plant and Debris Containment



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 algacide 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.



New larger floats increase buoyancy by 30%

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%).





### 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<br>B:W ratio for 24 inch boom = 3.1 : 1<br>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)<br>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<br>F625/F625M-94(2017) Standard Practice for Classifying Water Bodies for Spill Control Systems<br>F818-16 Standard Terminology Relating to Spill Response Booms and Barriers<br>F1523-94(2013) Standard Guide for Selection of Booms in Accordance With Water Body Classifications<br>F2084/F2084M-01(2012)e1 Standard Guide for Collecting Containment Boom Performance Data in Controlled Environments<br>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<br>18 - 24 inch boom conforms with ASTM standard F1523 for Calm Water   |
| Quality Assurance          | ISO 9001   |