



ELASTEC RubberMax TP

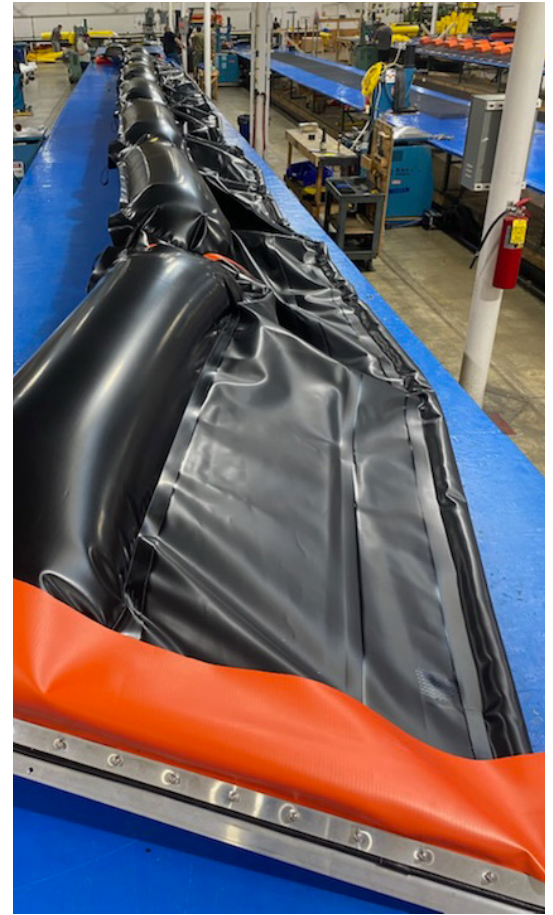


Oil Spill Equipment | Floating Barriers | Incinerators

RubberMax TP is the latest in oil containment boom technology. Using a proprietary and unique formulation of rubber alloy, this boom has the strength of traditional rubber booms but includes properties that make it stand apart. RubberMax TP offers greater resistance to chemicals and oils (rubber is naturally not resistant to oil and will swell and deteriorate in its presence), a wider temperature range, and high puncture resistance.

RubberMax TP boom has individually filled air chambers, each equipped with the patented Monsun XG valve. This valve includes a built-in non-return mechanism, and our high-capacity air blowers rapidly fill the individual air chambers as the boom is deployed into the water. The RubberMax range of booms is supplied in manageable section lengths (82, 98, and 164 ft / 25, 30, and 50 m). These shorter sections allow for greater flexibility in deployment configurations.

RubberMax TP is designed with a high buoyancy-to-weight ratio, providing the boom with excellent wave-riding and oil-retention characteristics. It lies flat when stowed, optimizing storage space. As an added safety feature, the galvanized steel chain is enclosed in a reinforced fabric pocket to prevent entanglements and pinch points for operators. This chain also acts as a tension member for added strength and resistance to towing forces. The boom is supplied with ASTM-compliant, end connectors for rapid coupling of sections.



When measured by the screwdriver test (where a screwdriver is literally forced through the fabric), this material can withstand up to 250 lbs / 1,112 N of pressure. Abrasion resistance is also high—this fabric exceeds the performance of many conventional booms.

This black boom features vertical orange stripes that assist vessels and mariners in identifying the boom in the water.

It is easier to clean and may be repaired with a hot air gun without the use of adhesives. Below are test results on a single ply of material using ASTM and military standards.



RUBBERMAX TP SPECIFICATIONS

Model	2000	1800	1500	1300	1000
Connector Height	78 in / 2000 mm	71 in / 1800 mm	59 in / 1500 mm	51 in / 1300 mm	39 in / 1000 mm
Operational Height	67 in / 1700 mm	59 in / 1500 mm	47 in / 1200 mm	43 in / 1100 mm	31 in / 790 mm
Freeboard	24 in / 600 mm	24 in / 600 mm	20 in / 500 mm	17 in / 440 mm	14 in / 360 mm
Draft	43 in / 1100 mm	35 in / 900 mm	28 in / 700 mm	26 in / 660 mm	17 in / 430 mm
Air Chamber	Seamless individual air chambers				
Section Length	82 ft, 98 ft or 164 ft / 25, 30 m or 50 m*				
Bottom Tension	Galvanized steel chain				
Construction	Fully welded				
Anodes	Fitted at section connectors				
Handles	Fitted along the boom				
Weight Approx.	4.9 lbs/ft / 7.3 kg/m	4.7 lbs/ft / 7 kg/m	4.5 lbs/ft / 6.6 kg/m	4.25 lbs/ft / 6.3 kg/m	3.5 lbs/ft / 5.2 kg/m
ASTM F1523 Compliance	Open Water	Open Water	Open Water	Open Water	Protected Water / Open Water

Fabric Properties - Tests to ASTM D751 (Single Ply)	Applicable Standard
Weight: (single ply) 42 oz sq yard / 1,428 gsm (+/- 2 oz) 68 gsm	F715 (2023) Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage
Color: Black with orange stripes	
Tensile 1 Inch Strip: 850 lb Warp / 700 lb Fill 3,781 N Warp / 3,114 N Fill	D751
Tensile Strength: 1,200 lb / 1,100 lb 5,338 N / 4,893 N	D751-A
Tearing Strength: (tongue): 55 lb Warp / 80 lb Fill 245 N Warp / 356 N Fill	D751-B
Puncture Resistance (screwdriver): 250 lb / 1,112 N	D1204
Puncture Resistance (ball): 1,800 lb / 8,007 N	D1204
Blocking Resistance: No blocking	CRRC - US Navy
Resistance to accelerated weathering coating 2,500 hrs (xenon arc): No cracks	G155
Resistance to accelerated weathering coating 100 hrs (carbon arc): No cracks	M5804
Resistance to oil, 22 h at 70°C, oil astm #1 (Mason jar test w/one side exposed): No tackiness	D471
Resistance to oil, 22 h at 20°C, oil astm #1 (Mason jar test w/one side exposed): No tackiness	D471
Abrasion resistance (30,000 cycles minimum, H22 wheel, 1,000 gram load): 2,500 cycles min	D3389
Low tem resistance: Minus 90°F / 68°C no cracking or flakes	FTMS 191 M5874

Mechanical Properties	Applicable Standard
Construction	Fully welded construction
Floatation	F2682-07(2024) Standard Guide for Determining the Buoyancy to Weight Ratio of Oil Spill Containment Boom
Connectors	ASTM compliant left handed Universal Slide fitted as standard, Z connector optional, Manufactured in 6061-T6 aluminum alloy F962-04(2023) standard specification for Oil Spill Response Boom Connection Z-Connector F2438-04(2022) Standard Specification for Oil Spill Response Boom Connection Slide connector Aluminum Association (AA) Standard
Handles	Mounted along the boom
Anchor Points	Included
Chain Pocket	Double layer, fully enclosed with drain holes, reinforced openings
Anchor Shackles	Grade A, Class 3. Hot dip galvanized
Chain	Hot dip galvanized
Tensile Strength Testing	Federal Specification RR--C271F Manufactured to NACM standards F1093-99(2023) Standard Test Methods For Tensile Strength Characteristics of Oil Spill Response Boom

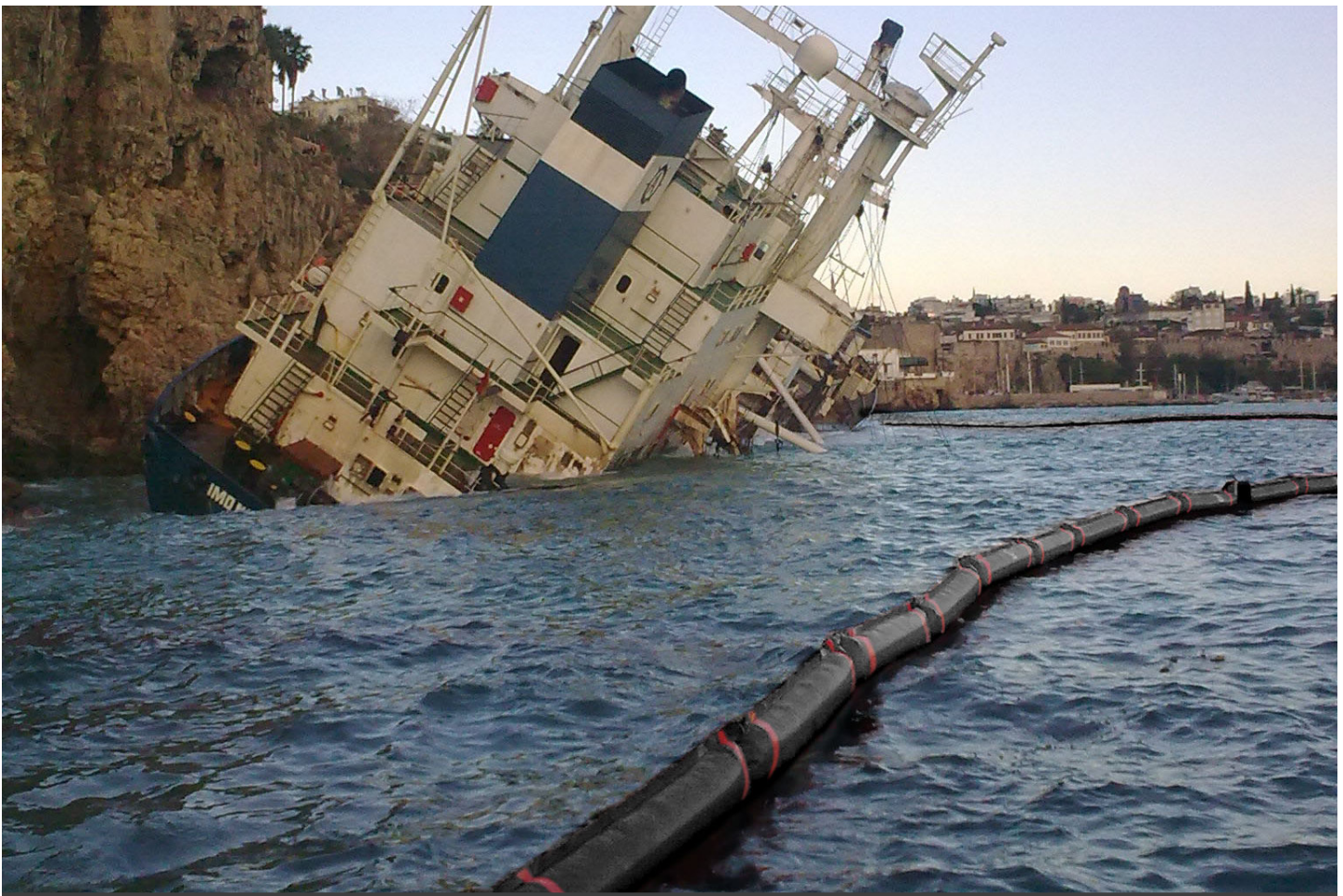
Options and Accessories

Repair	Standard fabric repair kits with hot air gun technology Boom connector replacement kits
Anchoring and mooring systems available	Anchors - single / dual, Tide Slides, Pile Tether, Pile Slider
Customization	Light / radar reflectors, size, section length

Other Standards and Federal Regulation

F625/F625M-94(2022) Standard Practice for Classifying Water Bodies for Spill Control Systems
F818-16(2025) Standard Terminology Relating to Spill Response Booms and Barriers
F1523-94(2023) Standard Guide for Selection of Booms in Accordance With Water Body Classifications
F2084/F2084M-01(2024) Standard Guide for Collecting Containment Boom Performance Data in Controlled Environments
F2683-11(2024) Standard Guide for Selection of Booms for Oil-Spill Response
ISO 17325-1 2014 Ships and marine technology - Marine environment protection - Oil booms
ISO 9001 Quality Management Systems (QMS)

Other connectors available on request. *Other section lengths available upon request.



1309 West Main St.
Carmi, Illinois 62821, USA
+1 (618) 382-2525
www.elastec.com elastec@elastec.com

000-MKT-SL-445
REV#4