

# SHOREGUARDIAN NEOPRENE BOOM

TECHNICAL SPECIFICATION



## SHOREGUARDIAN NEOPRENE BOOM RANGE

### Application

Shoreguardian boom provides an effective shoreline barrier against oil pollution in environmentally sensitive areas. The double water ballast configuration allows Shoreguardian boom to seal onto sand, shingle, mud flats, salt marshes, etc. Shoreguardian boom's buoyancy to weight ratio ensures excellent wave following and heave response characteristics. Neoprene Shoreguardian is extremely durable and yet compact and light in weight.

### Deployment

After a simple and rapid deployment, Shoreguardian may be connected to floating booms to complete a comprehensive land and sea containment barrier system.

### Material

Reinforced, double faced neoprene fabric vulcanised under pressure to guarantee seam integrity.

### Inflation

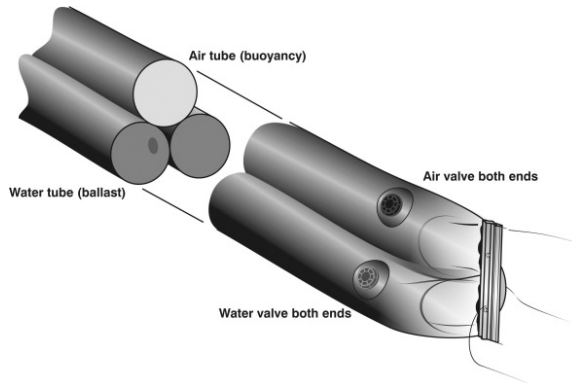
Air tube Non return valve positioned at each end of the buoyancy tube.

Water tube Non return valve positioned at each end of water ballast tube.

Operating pressure of the Shoreguardian boom range is 0.02 bar max. Water chambers should not be pressurised at all.

### Section Connectors

Vikoma's patented Unicon™ connectors fitted as standard provide a simple quick fit connection system. Unicon™ quick release connectors are extruded from marine grade aluminium and are highly resistant to corrosion. ASTM connectors can be supplied upon request.



### Inflators

Please see separate technical specifications for the air inflator and water pump.

### Towing / Mooring Bridles

Towing Bridles facilitate easy manoeuvring and towing of the boom and are supplied complete with Unicon™ or ASTM connectors (see Tow Bridle specification 2.01). Purpose built mid section mooring points can be incorporated into the boom during manufacture.

### Optional Accessories

- Cold glue repair kit (SK/1041)
- Hot glue repair kit (SK/1006)
- Relief valves (BE/4270)
- Anchor systems (by application)
- Navigation lights (by application)
- Water pump WB20X (WP/0010)
- Portable Vulcanising Machine (PS/0100)

oil containment booms

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### Technical Information

	Section Lengths (metres)	Part No. U=Unicon A=ASTM	Overall Height mm (in)	Free-Board mm (in)	Draft mm (in)	Fabric Weight g/m <sup>2</sup> (oz/yd <sup>2</sup> )	Boom Weight kg/m (lb/ft)
<b>Shoreguardian 400</b>	10	SHGN/0020 (U) SHGN/0021 (A)					
	20	SHGN/0022 (U) SHGN/0023 (A)	400 (15.8)	200 (7.9)	200 (7.9)	900 (26.4)	3.7 (2.48)
	25	SHGN/0024 (U) SHGN/0025 (A)					
<b>Shoreguardian 550</b>	10	SHGN/0005 (U) SHGN/0002 (A)					
	20	SHGN/0006 (U) SHGN/0007 (A)	560 (22)	280 (11)	280 (11)	900 (26.4)	3.9 (2.6)
	25	SHGN/0003 (U) SHGN/0004 (A)					

	Breaking Load N/50mm	Tear Strength (warp/weft) N	Overall Boom Tensile Strength (Fabric) kN	Buoyancy to Weight Ratio	Air Porosity @0.3bar
<b>Shoreguardian 400</b>	4000	300/300	139	16:1	Nil
<b>Shoreguardian 550</b>	4000	300/300	217	24:1	Nil