

# OIL SPILL BOOM

# General Specification

## **1. General**

- 1.1. This specification covers the general requirement for Oil Spill Boom for Ships for EAPC Co.

## **2. General Requirements**

- 2.1. The Boom will be used as a fast response oil spill Boom or for permanent installations around ships.
- 2.2. The Boom will be made from PVC/ polyester/ rubber or with a suitable coating with foamed float components. The Boom material will be robust to the outer liquid surface environment and will have minimum seams (to reduce the possibility to fail).
- 2.3. The Boom will have external floats.
- 2.3.1. The floats will have extremely abrasion and crush resistant.
- 2.3.2. The floats are Not inflators!
- 2.3.3. The floats will be connected to the Boom with bolts and it can be disassembled and assembled at sea.
- 2.4. The Boom will be assembly from separate sections parts with connectors, so it can be extend\shot or replace (if it will be damage).
- 2.4.1. Each section part will have anchor point.
- 2.4.2. The length of each section in the Boom will be 20-30 meters.
- 2.4.3. Boom Width 900-1200 mm.
- 2.4.4. Height above the water - 300-500 mm.
- 2.4.5. The sections will be equipped with an international standard connection connector (aluminum rails) with a safety pin.
- 2.5. The Boom will have anchor points (ANCHOR EYEBOLTS) that allow connection to pillars and floats / sinkers.
- 2.6. The Boom can be deployed without power packs, reels or inflators.
- 2.7. The Boom can be tow in water by a vessel.

- 2.8. The Boom will have high abrasion and puncture resistance and will withstand long periods of exposure to sun, oil, fuel and more.
- 2.9. The Boom can be rolled for storage, It can even be stored on a reel thanks. It will be possible to roll the Boom on a roller without damaging it
- 2.10. The Boom will have a certificate from an international classification company.
- 2.11. The Boom will have basic maintenance and repair requirements.

### **3. General Dimensions**

- 3.1. The blocker will be design so be sink  $\frac{2}{3}$  in water and  $\frac{1}{3}$  above water line.
- 3.2. Min overall height: 900 mm
- 3.3. Operational temperature: - 10 to + 60 degree C
- 3.4. Total Boom length required 1,400 meters.
- 3.5. The Boom will have resistant to the following sea conditions:
  - 3.5.1. Short waves up to 1.5 meters.
  - 3.5.2. Stream 2 knots.
  - 3.5.3. Winds up to 25 knots