

## FIRE BOOM WITHOUT COOLING SYSTEM

### AMERICAN FIREBOOM MKII (ELASTEC)



#### GENERAL DESCRIPTION

The American Fireboom MkII is a floating containment barrier used in an onsite oil burning operation or to protect areas from burning oil. The fire boom looks and behaves like a conventional boom but can support (deliberate) controlled combustion.

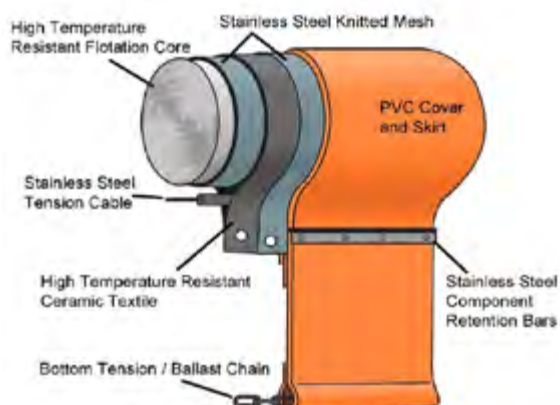
#### MAIN COMPONENTS

The American Fire Boom MKII is composed of the following main parts:

- 150 m Fire boom
- 2 x 1 50m Towing ropes with bridles
- 10 x Safe start Igniters
- One 20ft ISO Container

#### KEY CHARACTERISTICS

Each section of the boom consists of seven segments, each with a high temperature resistant ceramic core flotation surrounded by two layers of stainless steel knitted mesh and high temperature resistant textile fabric that can withstand temperatures from  $-53^{\circ}\text{C}$  to more than  $1260^{\circ}\text{C}$  (continuous). The segments of the boom are encased in tubular PVC outer cover that is extended to form the skirt. Ballast is provided by a galvanized chain. A stainless steel internal tension cable runs the length of the boom section. The sections can be connected using interlocking stainless steel connectors that are built to easily connect and disconnect while the boom is in water.



#### TECHNICAL SPECIFICATIONS

OVERALL LENGTH	150 M (10 SECTIONS)
TOTAL HEIGHT	760 MM
FLOAT	300 MM
SKIRT	450 MM
BOOM WEIGHT	1800 KG/150 M
WEIGHT OF SYSTEM	20 FT CONTAINER WITH ALL EQUIPMENT, APPROX. 4900 KG

## STORAGE & TRANSPORT

The fire boom, which comes as standard in one set of 150 m long boom, is supplied inside a standard 20ft ISO container together with all required ancillaries for its independent deployment and operation (i.e. 2 x tow bridles, 2 x tow ropes and 10 x igniters). This way of storing the boom prolongs its shelf life, facilitates deployment and allows accessories such as the towing equipment and the igniters to be stored together with the boom.

The container is equipped internally with a system to suspend the boom from four longitudinal rails. The longitudinal rails are adjustable in order to accommodate any spacing configuration desired.

Glide assemblies are provided to hang the boom in the container and to suspend it from the rail in a vertical configuration.

Retaining devices in the ends of the longitudinal rails prevent the boom and roller assemblies from shifting or damage during transit.

During deployment operations, the retaining devices are removed from the longitudinal rails and the roller assemblies are removed from the boom hooks as the boom is unloaded.



NOTE: The equipment will be provided without lifting appliances.

## OPERATIONS

The boom can be deployed from the container by minimum 3 persons. However, for a more efficient deployment, four persons are recommended. The boom can simply be pulled manually out of the container into the water by a small vessel. This is facilitated, given the set-up of the boom, which can either be hanging in the container or already pre-connected and laying on the deck. Deployment can be achieved in approx. 45 minutes or less. Once the boom is in the water it can be towed in a straight line to the operational area where it can be operated by two separate vessels in order to achieve a “U” formation. For retrieval, a crane will be required to hoist segments out of the water. The crane will need to be able to reach over the side of the vessel and swing the boom onto the deck. The vessel will need to accommodate the container plus another 6m in front of the container to allow for connecting of towing equipment / segments. If the response vessel does not have the space to accommodate a 20 ft container the boom can be piled on deck. The boom weighs 12 kg/m, so if the crane elevates one section (15m) the deadweight will be 180 kg.

The igniters are designed to provide a safe and easy way to start controlled burns for oil spill control.

The boom can operate in 1 to 1.15m waves and 20 knot winds.



## EQUIPMENT AVAILABILITY

LOCATION	COMPLETE ADDRESS	NUMBER OF SYSTEMS
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Oldmeldrum, Aberdeenshire, AB51 0GX, UK	4 x 150 m boom sets, each stored inside a 20 ft container
Equipment Assistance Service (EAS) Baltic Sea	Narwicka 7a str., 80-557 Gdansk, Poland	4 x 150 m boom sets, each stored inside a 20 ft container
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	4 x 150m boom sets, each stored inside a 20ft container