



SIG40 LIGHT BUOYS

The FLOATEX buoy type SIG40 belongs to the ultimate generation of navigational aids. The buoy start-up project took in consideration the necessity of lowering costly maintenance programs, typical of steel buoys, creating a product from environmentally friendly materials such as regenerated steel, old paint, galvanized coatings, and sandblasting process usually related with the traditional steel products.

The SIG40 buoys outer shell is made in UV-stabilized linear virgin polyethylene. The polyethylene used in manufacturing process is completely recyclable (Eco-friendly), it's fully compatible with the marine environment, and has a high resistance to UV rays.

Being linear has the advantage that it can be melted and hence repaired by hot fusion welding. The colour pigment is moulded-in and consequently not added as a coating ensuring greater life of the colour and a big help to the environment as it never requires additional paintings, avoiding toxic dispersions in the water.

Floatex polyethylene require a minimal maintenance.

R&D laboratory daily perform test on production samples such as tensile test, hardness test, abrasion test, UV test and Cold temperature test, colour test and other ordinary tests in the aim to ensure the quality and the reliability of Floatex polyethylene.

The SIG40 buoys are then filled with closed-cell polyurethane foam. The polyurethane foam ensure great resistance to the leakage of air or water, ensuring unsinkability to the buoy also in case of accidental breaks of outer shell. The polyurethane foam is 100% made and tested before by our R&D laboratory.

The buoy design, construction and material combination allow for the sig 40 product to be installed anywhere: open sea sheltered bays, channels, rivers and protected areas. The buoys are usually complete with fixed steel plate on the bottom part for the connection with the mooring line. The top part of the buoy can be equipped with marine top-mark made from marine grade aluminium.

The SIG40 buoys in combination with the achieved stability at sea may give a focal plane height varying from 2.8 to 3 meters.

The buoy normally comes equipped with LED self-powered marine lantern.



TECHNICAL DATA**DIMENSIONS**

Buoy Body Diameter (nominal)	455 mm
Thickness minimum	7 mm
Focal plane	From 2.8 to 3 m
Displacement per dm/immersion	16 Kg
Draught (Without mooring)	1900 mm
Air Weight	120 kg

STANDARD EQUIPMENT

Marine lantern max supported weight:	5 kg
Top Mark	Aluminum (optional)
Float	Shell: rotomoulded polyethylene Core: polyurethane foam (all IALA colours available)
Mooring eye	S275JR or equivalent

RECOMMENDED MOORING

Open link chain size	14 mm
Max supported mooring:	100 Kg
Sinker approx. (in sea water):	250 Kg

