1750mm dia. Ocean Buoy
POSEIDON-1750

The Sealite Advantage
- High visibility red, green, white or yellow as per IALA recommendations
- 3 part product: floatation section, mid section & top section
- Individual colouration of each section to suit IALA colour/configuration recommendations
- Excellent buoyancy & stability
- Easy to deploy & service
- No painting, ever
- Cost effective & environmentally friendly

The Sealite POSEIDON-1750 Buoy is manufactured from UV-stabilised, virgin polyethylene and has been specifically designed to withstand the harsh marine environment, and operate reliably with minimal maintenance.

Ports worldwide are realising the advantages of polyethylene buoys over traditional steel models. The colour pigment is added to the polyethylene during the moulding process, which means that the buoy never requires painting.

The polyethylene material also inhibits marine growth, so the buoy requires cleaning less often than steel types.

Significant advantages of the polyethylene buoy allow the interval between servicing to be far greater and users continually report major cost savings.

The POSEIDON-1750 is constructed from 3 parts ensuring ease of deployment and servicing. The float section incorporates two large lifting and mooring points, interconnected by 316-grade stainless steel tie-bars to provide greater strength. The mid-section may be supplied with a large secondary battery enclosure, whilst the top section is designed to carry the buoy’s primary payload.

Sealite have a range of mooring chains & accessories - ask your representative today how we can supply your complete mooring solution.

Optional top marks & lights available

316-grade stainless steel grab rail
Rotationally-moulded to 16mm wall thickness
Foam filled with closed-cell polyurethane
Stainless steel mooring bush
Made from strong, durable, UV-stabilised, virgin polyethylene
Non-slip deck

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Sealite buoy products are made from recyclable materials. As a service to customers, individual components and products at the end of their service life may be returned to Sealite for recycling.

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The float section is internally cross-braced (●) using stainless steel braces joining each mooring eye to the lifting eye. This ensures mooring and lifting stresses are evenly shared across the structure.

SPECIFICATIONS

POSEIDON-1750

**General Characteristics**

Available Colours:
Red, Green, White, Yellow as per IALA Recommendations

Focal Plane Height (mm/inches):
2600 / 101.8 (standard). 3090 / 121 5/8 (with spacer)

Total Float Volume (ltrs/US gallon):
1815 / 480

Nominal Freeboard (mm/inches):
545 / 21.5

Nominal Draft (mm/inches):
710 / 28

Reserve Buoyancy (kgs/lbs):
600 / 1323

Maximum Mooring Load (kgs/lbs):
600 / 1323

Draft, Maximum (mm/inches):
955 / 37.6

Freeboard, Minimum (mm/inches):
300 / 11.8

Safe Working Load, 1pt (kgs/lbs):
2300 / 5070

Safe Working Load, 2pt (kgs/lbs):
3250 / 7165

Submergence (kg/cm, lb/inches):
24.5 / 137

Visual Area (m²/ft²):
1.9 / 20.4

**Physical Characteristics**

Material:
Rotationally-moulded UV-stabilised virgin polyethylene, internal 316-grade stainless steel bracing, 316-grade stainless steel fittings, slip resistance platform

Wall Thickness (mm/inches):
16 / 5/8 (float section)

Ballast (kg/lbs):
150 / 330 internal concrete

Filling:
Closed-cell polyurethane foam (float section)

Height (mm/inches):
4045 / 159

Width (mm/inches):
1750 / 68 7/8

Mass (kg/lbs):
428 / 944

Radar Reflector:
Echomax

Product Life Expectancy:
>20 years

Surface colours compliant to IALA E-108

ISO9001:2008

**Certifications**

IALA

Quality Assurance

**Intellectual Property**

Trademarks

Sealite® is a registered trademark of Sealite Pty Ltd

5 years

Sealite SL-C310, SL-C410, SL-C415, SL-C420, SL-125 Series or SL-155 Series

- Mould-in graphics
- Day marks
- Monitoring Systems (AIS, GSM)

**Warranty**

* Specifications subject to change or variation without notice
* Subject to standard terms and conditions

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