

Ask us how we can supply your complete mooring solution



Sealite can provide turn-key mooring solutions for the range of buoy products enabling complete systems to be containerised and delivered to customer sites around the world.

As a service to valued customers, Sealite has developed an advanced mooring calculator based on IALA guidelines and experience from major users.

Known as SeaMoor™, this facility is available free of charge by contacting Sealite.

The system simulates site mooring based on the following easy steps:

Step 1. Select Buoy Model

Customers select which Sealite buoy they are planning to use in their installation.

Step 2. Select Water Depth

Customers select the water depth of their proposed installation.

Step 3. Confirm Recommended Chain Size

The calculator will recommend a chain size at this point, which the customer can either confirm or choose a larger or smaller size. The calculator will perform simulations based on this data.

Step 4. Set Maximum Wind Speed

Users enter the likely maximum wind speed. Wind speed will affect the buoy performance in different ways, depending on the exposed wind area of the navaid.

Step 5. Set Maximum Current

Customer enter the maximum water speed, which will affect both the buoy and the chain.

Step 6. Simulate Chain Length

The calculator will recommend a chain length at this point, based on the available information entered. Customers can adhere to this information or select their own length and the calculator will perform simulations based on this data.

Step 7. Simulate Sinker Mass

The calculator will recommend a sinker mass, based on the available information entered. Customers can adhere to this information or select their own mass and the calculator will perform simulations based on this data.

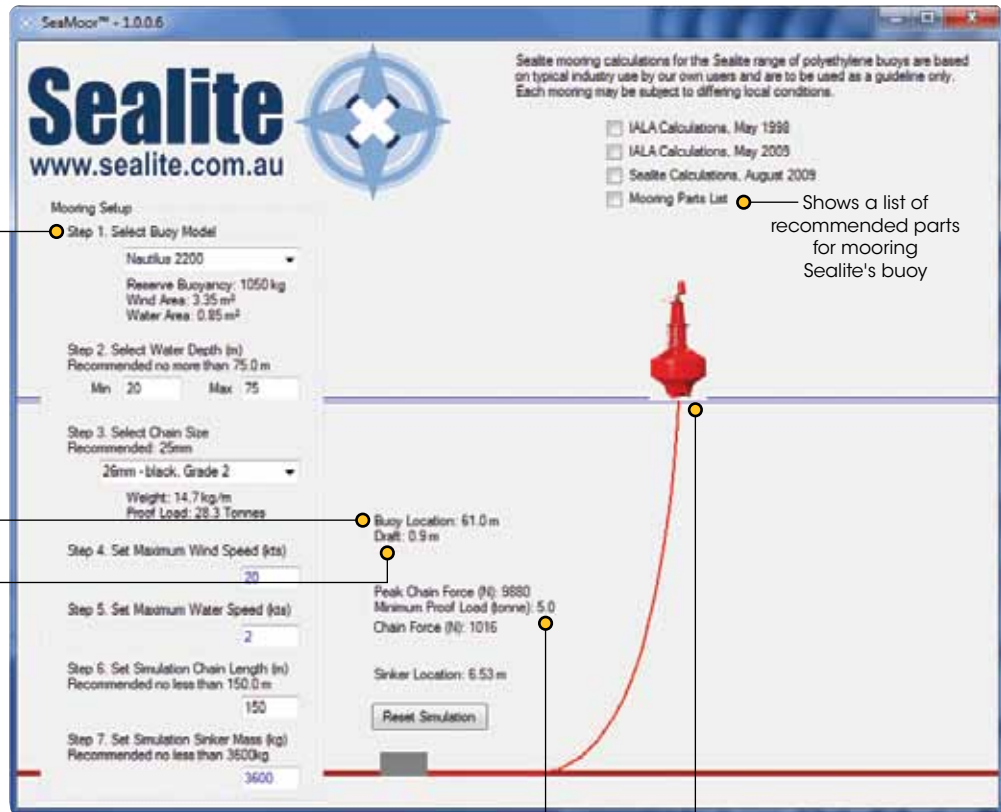
The calculator will then simulate navaid mooring using all of this available data, and produce a parts list of required components.

The Sealite Advantage

- Complete range of mooring chain & accessories to compliment Sealite buoy products
- IALA recommended mooring solutions calculated with Sealite advanced SeaMoor™ mooring calculator
- Flexibility in manufacture to meet various installation requirements & local conditions
- One-stop for all marine AtoN equipment



SeaMoor™ Mooring Calculator



Select buoy type and installation parameters to view mooring simulation

Buoy Location indicates an approximate watch circle given the mooring chain length and total water depth

Buoy Depth indicates how deep the buoy will float in the water (draft)

Shows a list of recommended parts for mooring Sealite's buoy

Users can check that the Proof Load listed in Step 3 is greater than the Minimum Proof Load. Heavier chain may be required to ensure this

By changing the various mooring parameters (eg. chain length) users can visualise the affect on the installation