



# Marina Dock Specifications

## 1. Marina Docks

1-A. AccuDock Marina Dock sections are hand built to any size configuration as needed by the customer and are built with several different decking options available.

1-B. Marina systems will be built using an aluminum C-Channel frame system with .125”-.188” wall thickness or greater, with height of either 8” or 12” C-Channel. Aluminum will be 6061-T6 marine grade. Spacing of cross member (s) will depend on desired decking, but in no circumstance be greater than 24” center to center. All sections will have corner strength gussets, and sections are pre-drilled for ease of field installation.

1-C. Floatation of the Marina Dock sections will be accomplished using our standard fabrication process. Each AccuDock float section shall be composed of hand welded High Density Polyethylene (HDPE) sheet plastic, using non-rotationally molded floats. AccuDock sections are manufactured using individual sheets for sides, ends, bottoms, and tops. With a 100% guaranteed universal wall thickness of .150 inches (min.) and completely encapsulated expanded polystyrene (EPS) foam.

1-D. HDPE plastic will be black in color. All plastic material meets requirements of ASTM D4976 – PE 235 & FDA 21CFR 177.1520.

1-E. The density of an AccuDock section is equal to approximately .950 grams per cubic inch or .058 grams per cubic centimeter per ASTM D4883. The tensile strength at yield will be no less than 3800 pounds per square inch and at break no less than 4400 pounds per square inch, per ASTM D638. The material will have a cold brittleness temperature at no less than -103° F.

1-F. Completely encapsulated EPS shall be 100% virgin material and be of a closed cell nature allowing no more than 3% water penetration. This specification will ensure all AccuDock sections will never sink. Floatation shall not be accomplished by use of air pockets in any form. All EPS foam blocks used in the manufacturing process will be pre-cut and hand trimmed to exact size, then hand loaded into each float section to ensure 100% foam filled, air-tight encapsulation.

1-G. Floatation will be lag bolted into the bottom of the C-Channel with 3/8” x 1-1/2” stainless steel lag bolts. All heavy duty sections are bolted together with 3/8” x 5” stainless steel 304 series hardware. Several decking options are available to which Phillips oval-head deck screws are provided at time of shipment, so that the decking can be bolted down into the C-Channel.

1-H. The percentage of the footprint of floatation to the overall footprint of the dock surface area will be no less than 75% to maximize overall stability.

**FOR MORE INFORMATION CALL 954.785.7557 OR  
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## 2. Attachments

2-A. Attachments will be specific to each customer; however, all approved sales will have an AccuDock recommended attachment method which will be covered under warranty. All attachment methods shall have the ability to bolt directly into the framing system. There will be no set area where an attachment must take place. All attachments will bolt into the framing system with 304 series Stainless Steel hardware.

2-B. Attachment methods include all of the following, as well as custom brackets not mentioned: Anchoring to pilings, seawalls, bulkheads, existing floating docks, spud poles, cross anchoring underneath dock, anchor chains, eco-mooring rods with helix anchors, gangway hinge points, control arm hinges, standoffs.

2-B1. All attachment methods will not be pre-drilled and will not have a specified location where they must be attached. During field installation, the installer will have the ability to move the location of the attachment method on the AccuDock Floating Docks as needed.

2-B2. AccuDock approved attachment methods often rely on correct information provided by the customer. Drawings and/or engineered stamped plans can be supplied upon request.

## 3. Decking

3-A. The AccuDock walking surface utilizes Wolf PVC deck boards measuring 1-inch-thick x 5.5 inches wide with a solid cross section and an embossed simulated wood grain non-skid pattern surface on both sides of each individual deck board. Wolf PVC Deck boards are ICC code approved – CCRR – 0141, and are rated for a uniform live load of 100 lbs./ft<sup>2</sup> where structural performance has been demonstrated for a temperature range from -20°F to 125°F. Wolf PVC Decking is currently available in eight different color options, however, other decking options are available upon request. The deck boards are coated with an ASA cap stock resin which helps retain its original color under prolonged exposure to sun and weather. Additionally, Wolf PVC Decking has a 25-year stain and fade warranty.

3-B. Side skirt boards will be suggested and included on all AccuDock Decked systems for a complete and finished look. Skirt boards will be screwed into both the AccuDock standard frame system, as well as the specific framing. Skirt boards will use the same deck boards as the AccuDock Decked surface.

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