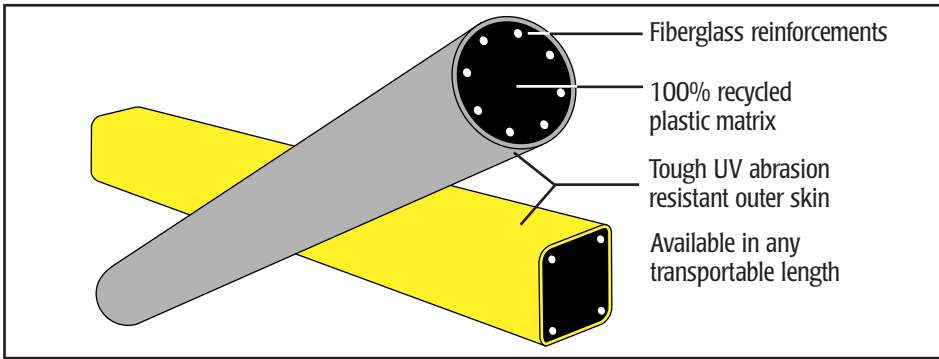


Both SEAPILE and SEATIMBER in  
port installation








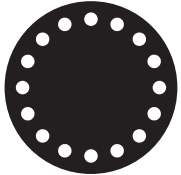












# CONSTRUCTION FEATURES



Seaward's composite marine products are manufactured in a continuous, coextruded process specifically developed and patented for this application. The plastic matrix is made of Duralin® Plastic, a 100% recycled plastic, which was designed by Seaward chemists and engineers for its strength and ability to bond with the fiberglass rebar structural elements. It incorporates antioxidants and ultraviolet inhibitors to ensure long life.

# TYPICAL SIZES AND CONFIGURATIONS

A large variety of additional sizes are available. Below are some examples of typical configurations of SEAPILE and SEATIMBER profiles and fiberglass (frp) rebar.

<p><b>5-inch SP</b> with 6 frp rebar</p> 	<p><b>6-inch SP</b> with 6 frp rebar</p> 	<p><b>8-inch SP</b> with 6 frp rebar</p> 	<p><b>10-inch SP</b> with 8 frp rebar</p> 	<p><b>13-inch SP</b> with 12 frp rebar</p> 	<p><b>16-inch SP</b> with 16 frp rebar</p> 
<p><b>2 x 10-inch ST</b> with filament reinforcement</p> 	<p><b>3 x 12-inch ST</b> with filament reinforcement</p> 	<p><b>4 x 8-inch ST</b> with filament reinforcement</p> 	<p><b>6 x 6-inch ST</b> with filament reinforcement</p> 	<p><b>8 x 8-inch ST</b> with filament reinforcement</p> 	
<p><b>8 x 10-inch ST</b> with 4 or more frp rebar</p> 	<p><b>8 x 12-inch ST</b> with 4 or more frp rebar</p> 	<p><b>10 x 10-inch ST</b> with 4 or more frp rebar</p> 	<p><b>10 x 12-inch ST</b> with 4 or more frp rebar</p> 	<p><b>12 x 12-inch ST</b> with 4 or more frp rebar</p> 	<p><b>14 x 14-inch ST</b> with 4 or more frp rebar</p> 

# OTHER SEAWARD PRODUCTS



SEA CUSHION®  
Foam Filled Fenders



SEA GUARD®  
Foam Filled Fenders



DONUT Monopile Fenders

# SEAWARD

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**1-800-828-5360**

Internet: [www.seapile.com](http://www.seapile.com)  
[www.seaward.com](http://www.seaward.com)

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# SEAWARD

A division of Trelleborg Engineered Products, Inc.



## SEAPILE® & SEATIMBER® COMPOSITE MARINE PRODUCTS





# THE SEAPILE® AND SEATIMBER® COMPOSITE MARINE PILING AND TIMBER

Seaward has served the marine industry with innovative technology for over thirty years, manufacturing and distributing elastomer and plastic solutions worldwide.

The SEAPILE® Composite Marine Piling and SEATIMBER® Composite Marine Timber are manufactured products with predictable performance properties, making them a proven superior alternative to wood. Due to their low coefficient of friction and ability to absorb the energy of impact, through recoverable deflection, combined with the non-corrosive nature of plastic and fiberglass, these products are designed to significantly outlast traditional wooden timber. Seaward's Composite Marine Products are environmentally safe and are impervious to marine borers.

Available in a variety of sizes and colors, these products can be designed to meet specific performance requirements for your facility.



Industry-wide, Seaward has been recognized for its Composite Marine Product innovations, including the coveted 1996 Seatrade Award for Countering Marine Pollution.



In 1994, the Composites Institute recognized Seaward with its Award of Excellence in the Marine Category.



SEAPILE Composite Marine Piling installed as a replacement to a traditional wood fender pile at a large oil tanker terminal.



# APPLICATIONS

Experience in understanding the complex needs of the diverse marine market has led Seaward to develop products that offer protection for long years of service.

Created for a wide range of applications, these products can be engineered to your specifications.

Applications include:

- Dock and pier fender systems
- Bridge pier fender systems
- Guidewalls and locks
- Pier corner protection
- Camels
- Dolphins
- Backing beams/wharf logs
- Navigation aids and markers
- Light structural



Clustered piles protect corner of pier



Closeup detail of fender pile and wales



Bridge Pier Protection



Intracoastal waterway guidewall



Dolphin cluster



Retaining wall and pedestrian bridge



# FEATURES

Seaward's Composite Marine Products have many attractive features:

- Made from 100% recycled plastic matrix, Duralin<sup>®</sup>, which is designed for strength and ability to bond to structural reinforcements
- Constructed with a tough outer skin that affords maximum protection against UV and abrasion
- Repeatably absorbs the energy of impacts through recoverable deflection
- Low coefficient of friction
- Impervious to marine borers
- Fabricated as a one-piece unit and available in any transportable length
- Does not contain chemical preservatives or creosote
- Can be installed and driven using conventional marine construction methods and hardware
- Custom colors available
- Thousands of piles installed since 1993



SEAPILE Composite Marine Piling being installed



Cut with carbide tipped chainsaw



Drill with standard twist bits



Accepts lag bolts, staples and nails



Fabricated in any transportable lengths