

FRP Seawall



SUSTAINABLE COMPOSITE SOLUTIONS DELIVERED

AIT Composites FRP Seawall is a sheet pile system that utilizes a fully composites system including FRP sheeting and walers to provide a non-corrosive system that will not degrade for over 100 years.

- Great for reinforcing existing steel systems to extend their service life.
- Unique stiffness properties allow for a more efficient use of the soil's active properties.
- AIT Wall exceeds competitors standards by utilizing a epoxy or polyurethane resin system that provides higher durability, UV protection, and better alkali resistance characteristics.

Benefits



100+ Year Service Life

- AIT Composites FRP Seawall is corrosion resistant which aids in designing a structure with a much longer service life than traditional wood or steel sheet piling.

Significant Weight Savings & Strength

- FRP Seawall is 1/4 the weight of steel which aids in lowering transportation costs and the overall construction time.
- FRP Seawall mechanical properties are one step ahead of alternative non-metallic solutions.

Data / Applications

Physical Properties	Imperial Value	Units	Metric Value	Units
Section Modulus	18.75	in ³ /ft	1008.06	cm ³ /m
Moment of Inertia	76.70	in ⁴ /ft	10,474.15	cm ⁴ /m
Typical Thickness	0.25	in	6.35	mm
Depth of Sheet	8.00	in	203.2	mm
Width of Sheet	18.00	in	457.2	mm
Weight	5.75	lbs/ft	8.56	Kg/m
Web Angle	31	°	31	°
Cross Sectional Area of Sheet	7.19	in ²	46.93	cm ²



FRP Seawall is designed to support:

Transportation Structures Saltwater

Environments Freshwater Environments

Product Data Sheet | FRP Sheet Pile | Oct 2024

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