ECOncrete leads the world in bio-enhancing concrete technology that is the first to provide both superior strength and ecological benefits.

Our trailblazing products are found in ports and waterfronts across the globe. From now on, all high-performance concrete infrastructure such as sea walls, breakwaters, and harbors can be more durable over a longer lifespan while improving water quality and enhancing biological diversity. The patented technology incorporates three proven science-based elements that work in synergy.
ECOncrete’s COASTALOCK is a high performance interlocking armoring unit that can be incorporated into the design of fully exposed breakwaters, riprap, and revetments in place of stone or traditional concrete armoring. The COASTALOCK is designed to provide coastal defense and shoreline stabilization by interlocking with adjacent units, while offering a diverse habitats for marine communities, from tide pools to overhangs and cave like shelter, mimicking natural intertidal habitats that are typically absent along armored waterfronts. The COASTALOCK’s unique concrete mix and design encourage the growth of marine flora and fauna, elevate biodiversity, and reduce the dominance of invasive species.
Benefits

- Structural Performance
- Low Maintenance
- Environmentally Sensitive
- Bioprotection
- Carbon Sink
- Facilitated Permitting