BEACH PRISMS™

Shoreline Protection

What Are They Saying About Beach Prisms™

"You can literally watch the waves stop in their tracks when they go through the prism. Everything just stops. The peace of mind they give you is unbelievable and irreplaceable."
Bob White, home owner, Ingram Bay, Va.

"The installation had practically no impact on the sensitive landward environment." Other traditional erosion control systems tend to be hard on the environment. Two years later, he led a reporter to view the results. "Behind the precast concrete there were so many minnows and grass shrimp that the reporter must have suspected I put them they."
M. Stephen Ailstock, Ph. D., Chairman of the Biology Dept. and Director of the Environmental Center at Anne Arundel Community College

"The prisms seemed to be the best way..."
Ocean Gate Mayor Paul Kennedy

Go online to download your copy of the Terrapin Nature Park study and "Lines in the Sand" article.
www.BeachPrisms.com

Manufactured Locally By:

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EXCELLENCE IN PRECAST CONCRETE

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BEACH PRISMS™

Shoreline Protection

Protection Against Storms

Beach Prisms were developed in the 1980's to solve shoreline erosion issues in the Chesapeake Bay. Over the past 30 years, Beach Prisms have proven themselves in multiple locations on the Chesapeake and across North America as an economical solution for saving existing shorelines and in many cases redepositing eroded sand.

Borough of Ocean Gate, New Jersey

Ingram Bay, Virginia

Beach Prisms™ – What Are They?

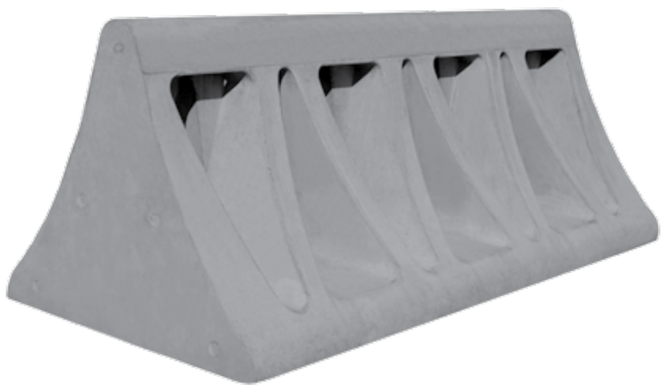
Each Beach Prism is made of high strength precast concrete and measures 4 ft. tall by 10 ft. long (larger sizes are available). Its triangular slotted design provides stability, durability, and withstands major storms and floods.

The open design allows water to flow through the Prisms dissipating the wave energy, allowing the sand in the wave to accumulate while reducing the impact on the shoreline. This "soft approach" allows for natural movement of water, plant and animal life, as opposed to the more disruptive "hard approach" of stone breakwaters and seawalls.

Permits for Beach Prisms™ installations are issued by state and federal agencies, such as the Department of Natural Resources and the Army Corps of Engineers.

Beach Prisms™, in some cases, have been proven to reclaim lost shoreline, by accumulating sand in front of and behind the Prisms. Results will vary based on many factors unique to each site, including tides, prevailing winds, fetch and availability of sand in the waves. Beach Prisms™ are designed for river and bay front properties.

If you want to know more about Beach Prisms™, contact your local producer or Easi-Set to receive descriptive literature, technical advice and to schedule a site visit for evaluation.



Magazine Ad

Beach Prisms™ – In The Wake of Super Storm Sandy

Borough of Ocean Gate, New Jersey

PRESS RELEASE: Ocean Gate, NJ - Jan 14, 2014

OCEAN GATE, NJ RESIDENTS GET AN INNOVATIVE PRECAST CONCRETE SOLUTION TO THEIR REGION'S BEACH EROSION PROBLEMS

SMITH-MIDLAND MANUFACTURES AND INSTALLS 35 BEACH PRISMS DESIGNED TO REDUCE EROSION AND STRENGTHEN THE STATE'S SHORELINE

January 14, 2014 – Adorned with a sign that said, "Merry Christmas Ocean Gate," 35 precast beach prisms recently made their New Jersey debut. Manufactured from precast concrete, the prisms are constructed with cut-through holes that allow the ocean to flow naturally without removing sand from beach.

The prisms protect homes, prevent erosion, and reduce impacts from natural disasters like Hurricane Sandy. Installed along the Jersey Shore community's shoreline and made by Smith-Midland Corporation, the prisms are the first to be used in a state that was hit hard by the 2012 superstorm.

"Ocean Gate is a progressive community," says Smith-Midland's National Sales Manager, Jay McKenna. "We've been discussing this project with the municipality for three years and are very pleased that they decided to test out this innovative solution to an ongoing and very serious problem."

Shaped like highway barriers, the beach prisms are made with a built-in parabolic curve that scatters waves away as spray instead of allowing them to crash up onto the vulnerable shoreline. Weighing roughly 10,000 pounds each, the prisms are more economical and durable than other shore preservation methods.

The prisms were installed into Toms River roughly 50 feet away from the beach. According to McKenna, the structures not only shield the beach from the waves but they also help build up sand reserves over time. "Because the wave energy dissipates when it crashes against the beach prism," says McKenna, "we're already starting to see sand accumulate on the beach – where it belongs."

The timing of the prism installation couldn't be better for Ocean Gate, which just replaced the boardwalk it lost to Superstorm Sandy's violent forces. "We've been losing beach year after year with the Nor'easters we get," said Ocean Gate's Mayor Paul Kennedy in a recent news article. "So we came up with an idea that hopefully will work."

McKenna says the project garnered a lot of attention from Ocean Gate residents and business owners. "There was a crowd out there every day, watching the installation and curious about the impact of the prisms," he explains. "In the end, our Christmas present to them was a finished project and peace of mind that their shoreline is protected."